

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.01  
 Actual Amplitude: 0.0100775  
 Actual Power: 0.000101556  
 Distortion 2H-16H: 15.2572%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.5677 end: 19.6431 delta: 0.0754  
 P2 start: 39.5655 end: 39.7051 delta: 0.1396  
 P3 start: 59.2259 end: 59.4079 delta: 0.182  
 P4 start: 78.8214 end: 79.0075 delta: 0.1861

H3: 0.0828758  
 H5: -0.0574114  
 H7: 0.0491037  
 H9: -0.0339812  
 H11: 0.0480605  
 H13: -0.0517252

H15: 0.0675463  
**H17: -1.08353**  
**H19: 0.850595**  
 H21: 0.266504  
 H23: -0.178138  
 H25: 0.143541  
 H27: -0.0957908  
 H29: 0.134807  
 H31: -0.136095

H15f: 0.00450308  
**H17f: -0.063737**  
**H19f: 0.0447681**  
 H21f: 0.0126907  
 H23f: -0.00774514  
 H25f: 0.00574162  
 H27f: -0.00354781  
 H29f: 0.0046485  
 H31f: -0.00439017

c1sd = -0.0079  
 c1ed = -0.0034  
 c2sd = -0.048  
 c2ed = -0.0013  
 c3sd = 0.0384  
 c3ed = 0.0953  
 c4sd = 0.0928  
 c4ed = 0.1361  
 varx = 4.67891%.

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Desired Amplitude: 0.02  
 Actual Amplitude: 0.0233064  
 Actual Power: 0.000543186  
 Distortion 2H-16H: 7.81197%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4102 end: 19.5817 delta: 0.1715  
 P2 start: 39.4232 end: 39.7353 delta: 0.3121  
 P3 start: 59.4166 end: 59.8273 delta: 0.4108  
 P4 start: 79.2629 end: 79.7087 delta: 0.4458

H3: 0.0457642  
 H5: -0.0164394  
 H7: 0.0270858  
 H9: -0.0177675  
 H11: 0.0269326  
 H13: -0.0168788

H15: 0.0409693  
**H17: -1.07971**  
**H19: 0.898684**  
 H21: 0.134091  
 H23: -0.0539363  
 H25: 0.0818047  
 H27: -0.0526094  
 H29: 0.0783149  
 H31: -0.0448792

H15f: 0.00273129  
**H17f: -0.0635121**  
**H19f: 0.0472991**  
 H21f: 0.0063853  
 H23f: -0.00234506  
 H25f: 0.00327219  
 H27f: -0.0019485  
 H29f: 0.00270051  
 H31f: -0.00144772

c1sd = -0.1886  
 c1ed = -0.0207  
 c2sd = -0.2344  
 c2ed = 0.0729  
 c3sd = 0.1698  
 c3ed = 0.5741  
 c4sd = 0.4665  
 c4ed = 0.905  
 varx = 4.77059%.

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Desired Amplitude: 0.03  
 Actual Amplitude: 0.0412574  
 Actual Power: 0.00170217  
 Distortion 2H-16H: 2.44062%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.2698 end: 19.5631 delta: 0.2934  
 P2 start: 39.4183 end: 39.9532 delta: 0.5349  
 P3 start: 59.5058 end: 60.2215 delta: 0.7157  
 P4 start: 79.5172 end: 80.3282 delta: 0.811

H3: 0.0115953  
 H5: 0.00811567  
 H7: 0.00956095  
 H9: 0.00320371  
 H11: 0.0094894  
 H13: 0.00807803

H15: 0.0117631  
**H17: -1.05505**  
**H19: 0.936354**  
 H21: 0.0295328  
 H23: 0.0204225  
 H25: 0.0271617  
 H27: 0.00930232  
 H29: 0.0292416  
 H31: 0.0277664

H15f: 0.000784204  
**H17f: -0.0620616**  
**H19f: 0.0492818**  
 H21f: 0.00140632  
 H23f: 0.000887934  
 H25f: 0.00108647  
 H27f: 0.00034453  
 H29f: 0.00100833  
 H31f: 0.000895689

c1sd = -0.3302  
 c1ed = -0.0369  
 c2sd = -0.2417  
 c2ed = 0.2932  
 c3sd = 0.2558  
 c3ed = 0.9715  
 c4sd = 0.7172  
 c4ed = 1.5282  
 varx = 4.93053%.

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Desired Amplitude: 0.04  
 Actual Amplitude: 0.0673995  
 Actual Power: 0.00454269  
 Distortion 2H-16H: 1.48148%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.3059 end: 19.7754 delta: 0.4695  
 P2 start: 39.4031 end: 40.2709 delta: 0.8679  
 P3 start: 59.3382 end: 60.5069 delta: 1.1687  
 P4 start: 79.3092 end: 80.6382 delta: 1.329

H3: 0.00360729  
 H5: 0.00524598  
 H7: 0.00658526  
 H9: 0.00671251  
 H11: 0.0068456  
 H13: 0.00553804

H15: 0.00360406  
**H17: -1.0316**  
**H19: 0.955414**  
 H21: 0.0110937  
 H23: 0.0132653  
 H25: 0.018351  
 H27: 0.0199191  
 H29: 0.0215607  
 H31: 0.0189649

H15f: 0.000240271  
**H17f: -0.0606821**  
**H19f: 0.050285**  
 H21f: 0.000528272  
 H23f: 0.000576753  
 H25f: 0.000734042  
 H27f: 0.000737743  
 H29f: 0.000743471  
 H31f: 0.00061177

c1sd = -0.2941  
 c1ed = 0.1754  
 c2sd = -0.2569  
 c2ed = 0.6109  
 c3sd = 0.0882  
 c3ed = 1.2569  
 c4sd = 0.5092  
 c4ed = 1.8382  
 varx = 5.02901%.

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Desired Amplitude: 0.05  
 Actual Amplitude: 0.0734342  
 Actual Power: 0.00539258  
 Distortion 2H-16H: 1.2564%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.3495 end: 19.8592 delta: 0.5098  
 P2 start: 39.3887 end: 40.3339 delta: 0.9452  
 P3 start: 59.2938 end: 60.5673 delta: 1.2735  
 P4 start: 79.2526 end: 80.7003 delta: 1.4478

H3: 0.00301287  
 H5: 0.00420513  
 H7: 0.00571531  
 H9: 0.00593491  
 H11: 0.00576283  
 H13: 0.00458823

H15: 0.00299055  
**H17: -1.0257**  
**H19: 0.95968**  
 H21: 0.0108677  
 H23: 0.010972  
 H25: 0.0159457  
 H27: 0.0176583  
 H29: 0.0182386  
 H31: 0.0153473

H15f: 0.00019937  
**H17f: -0.0603352**  
**H19f: 0.0505094**  
 H21f: 0.000517511  
 H23f: 0.000477045  
 H25f: 0.000637829  
 H27f: 0.000654012  
 H29f: 0.000628919  
 H31f: 0.000495073

c1sd = -0.2505  
 c1ed = 0.2592  
 c2sd = -0.2713  
 c2ed = 0.6739  
 c3sd = 0.0438  
 c3ed = 1.3173  
 c4sd = 0.4526  
 c4ed = 1.9003  
 varx = 5.05136%.

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Desired Amplitude: 0.06  
 Actual Amplitude: 0.071465  
 Actual Power: 0.00510724  
 Distortion 2H-16H: 1.1477%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.3919 end: 19.8874 delta: 0.4956  
 P2 start: 39.41 end: 40.3301 delta: 0.9201  
 P3 start: 59.3149 end: 60.5541 delta: 1.2392  
 P4 start: 79.2712 end: 80.6799 delta: 1.4087

H3: 0.00302686  
 H5: 0.00377602  
 H7: 0.00519907  
 H9: 0.005163  
 H11: 0.00542213  
 H13: 0.00404989

H15: 0.00296853  
**H17: -1.02367**  
**H19: 0.962604**  
 H21: 0.0110521  
 H23: 0.00994385  
 H25: 0.0148049  
 H27: 0.0153874  
 H29: 0.0168559  
 H31: 0.0135046

H15f: 0.000197902  
**H17f: -0.0602161**  
**H19f: 0.0506634**  
 H21f: 0.00052629  
 H23f: 0.000432341  
 H25f: 0.000592197  
 H27f: 0.000569906  
 H29f: 0.000581237  
 H31f: 0.000435632

c1sd = -0.2081  
 c1ed = 0.2874  
 c2sd = -0.25  
 c2ed = 0.6701  
 c3sd = 0.0649  
 c3ed = 1.3041  
 c4sd = 0.4712  
 c4ed = 1.8799  
 varx = 5.06672%.

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Desired Amplitude: 0.07  
 Actual Amplitude: 0.0802122  
 Actual Power: 0.006434  
 Distortion 2H-16H: 0.892749%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4374 end: 19.9912 delta: 0.5538  
 P2 start: 39.3767 end: 40.4085 delta: 1.0318  
 P3 start: 59.2501 end: 60.6406 delta: 1.3905  
 P4 start: 79.1908 end: 80.7724 delta: 1.5816

H3: 0.00197236  
 H5: 0.00304502  
 H7: 0.00392994  
 H9: 0.00410188  
 H11: 0.00407394  
 H13: 0.00338925

H15: 0.00248674  
**H17: -1.01661**  
**H19: 0.966803**  
 H21: 0.0103099  
 H23: 0.00845748  
 H25: 0.011324  
 H27: 0.0122504  
 H29: 0.0125849  
 H31: 0.0108288

H15f: 0.000165783  
**H17f: -0.0598003**  
**H19f: 0.0508844**  
 H21f: 0.000490948  
 H23f: 0.000367716  
 H25f: 0.00045296  
 H27f: 0.000453719  
 H29f: 0.000433961  
 H31f: 0.000349317

c1sd = -0.1626  
 c1ed = 0.3912  
 c2sd = -0.2833  
 c2ed = 0.7484  
 c3sd = 0.0001  
 c3ed = 1.3906  
 c4sd = 0.3908  
 c4ed = 1.9724  
 varx = 5.08875%.

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Desired Amplitude: 0.08  
 Actual Amplitude: 0.0860401  
 Actual Power: 0.0074029  
 Distortion 2H-16H: 0.717598%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4683 end: 20.0613 delta: 0.593  
 P2 start: 39.3593 end: 40.4657 delta: 1.1065  
 P3 start: 59.2069 end: 60.6982 delta: 1.4912  
 P4 start: 79.1354 end: 80.8319 delta: 1.6965

H3: 0.0015915  
 H5: 0.00247589  
 H7: 0.00322462  
 H9: 0.00347417  
 H11: 0.00336539  
 H13: 0.00242826

H15: 0.00177243  
**H17: -1.0115**  
**H19: 0.969765**  
 H21: 0.0100611  
 H23: 0.00670007  
 H25: 0.00938979  
 H27: 0.0103858  
 H29: 0.0103087  
 H31: 0.00802852

H15f: 0.000118162  
**H17f: -0.0594998**  
**H19f: 0.0510402**  
 H21f: 0.000479099  
 H23f: 0.000291307  
 H25f: 0.000375592  
 H27f: 0.000384661  
 H29f: 0.000355472  
 H31f: 0.000258984

c1sd = -0.1312  
 c1ed = 0.4604  
 c2sd = -0.2998  
 c2ed = 0.8048  
 c3sd = -0.0418  
 c3ed = 1.4469  
 c4sd = 0.3368  
 c4ed = 2.0305  
 varx = 5.10428%.



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Desired Amplitude: 0.09  
 Actual Amplitude: 0.0924612  
 Actual Power: 0.00854907  
 Distortion 2H-16H: 0.640406%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4688 end: 20.1054 delta: 0.6366  
 P2 start: 39.3233 end: 40.5119 delta: 1.1886  
 P3 start: 59.1546 end: 60.7572 delta: 1.6027  
 P4 start: 79.0737 end: 80.8968 delta: 1.8231

H3: 0.00133542  
 H5: 0.00227604  
 H7: 0.00296422  
 H9: 0.00306902  
 H11: 0.00286156  
 H13: 0.00235048

H15: 0.00145931  
**H17: -1.00867**  
**H19: 0.969863**  
 H21: 0.0103197  
 H23: 0.00635365  
 H25: 0.00845073  
 H27: 0.00917774  
 H29: 0.00897509  
 H31: 0.00753128

H15f: 9.7287e-05  
**H17f: -0.0593334**  
**H19f: 0.0510454**  
 H21f: 0.000491415  
 H23f: 0.000276245  
 H25f: 0.000338029  
 H27f: 0.000339916  
 H29f: 0.000309486  
 H31f: 0.000242945

c1sd = -0.1262  
 c1ed = 0.4961  
 c2sd = -0.3274  
 c2ed = 0.8425  
 c3sd = -0.0829  
 c3ed = 1.4946  
 c4sd = 0.288  
 c4ed = 2.0824  
 varx = 5.1048%.

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Desired Amplitude: 0.1  
 Actual Amplitude: 0.100141  
 Actual Power: 0.0100281  
 Distortion 2H-16H: 0.489549%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4888 end: 20.1769 delta: 0.6881  
 P2 start: 39.2863 end: 40.5735 delta: 1.2872  
 P3 start: 59.0933 end: 60.8288 delta: 1.7355  
 P4 start: 78.9988 end: 80.9733 delta: 1.9745

H3: 0.00107109  
 H5: 0.00174425  
 H7: 0.0022377  
 H9: 0.00226217  
 H11: 0.00227064  
 H13: 0.00181416

H15: 0.00109751  
**H17: -1.00386**  
**H19: 0.971177**  
 H21: 0.0109004  
 H23: 0.00499047  
 H25: 0.00654623  
 H27: 0.00677597  
 H29: 0.00694431  
 H31: 0.00571561

H15f: 7.31674e-05  
**H17f: -0.0590507**  
**H19f: 0.0511146**  
 H21f: 0.000519067  
 H23f: 0.000216977  
 H25f: 0.000261849  
 H27f: 0.000250962  
 H29f: 0.000239459  
 H31f: 0.000184375

c1sd = -0.0382  
 c1ed = 0.438  
 c2sd = -0.2349  
 c2ed = 0.7746  
 c3sd = 0.0303  
 c3ed = 1.3918  
 c4sd = 0.4123  
 c4ed = 1.9599  
 varx = 5.11172%.

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Desired Amplitude: 0.11  
 Actual Amplitude: 0.110051  
 Actual Power: 0.0121113  
 Distortion 2H-16H: 0.334321%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.5036 end: 20.2585 delta: 0.7548  
 P2 start: 39.2335 end: 40.6479 delta: 1.4144  
 P3 start: 59.0106 end: 60.9176 delta: 1.907  
 P4 start: 78.9017 end: 81.0716 delta: 2.1699

H3: 0.000877857  
 H5: 0.00123493  
 H7: 0.00149524  
 H9: 0.00143635  
 H11: 0.00151166  
 H13: 0.00121162

H15: 0.000910681  
**H17: -0.998514**  
**H19: 0.971531**  
 H21: 0.0122266  
 H23: 0.0035653  
 H25: 0.0044122  
 H27: 0.00430947  
 H29: 0.00458622  
 H31: 0.00383485

H15f: 6.07121e-05  
**H17f: -0.0587361**  
**H19f: 0.0511332**  
 H21f: 0.000582221  
 H23f: 0.000155013  
 H25f: 0.000176488  
 H27f: 0.00015961  
 H29f: 0.000158146  
 H31f: 0.000123705

c1sd = 0.0001  
 c1ed = 0.4749  
 c2sd = -0.243  
 c2ed = 0.8043  
 c3sd = 0.0078  
 c3ed = 1.4205  
 c4sd = 0.3838  
 c4ed = 1.9894  
 varx = 5.11362%.

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Desired Amplitude: 0.12  
 Actual Amplitude: 0.120066  
 Actual Power: 0.0144158  
 Distortion 2H-16H: 0.224061%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.5021 end: 20.3242 delta: 0.8222  
 P2 start: 39.1775 end: 40.7201 delta: 1.5426  
 P3 start: 58.9257 end: 61.0062 delta: 2.0805  
 P4 start: 78.804 end: 81.1716 delta: 2.3676

H3: 0.000574981  
 H5: 0.000865949  
 H7: 0.000970784  
 H9: 0.000995876  
 H11: 0.00093835  
 H13: 0.000846646

H15: 0.000639032  
**H17: -0.993876**  
**H19: 0.970591**  
 H21: 0.0133281  
 H23: 0.00255899  
 H25: 0.00284072  
 H27: 0.0029847  
 H29: 0.00288206  
 H31: 0.00265655

H15f: 4.26021e-05  
**H17f: -0.0584633**  
**H19f: 0.0510838**  
 H21f: 0.000634674  
 H23f: 0.00011126  
 H25f: 0.000113629  
 H27f: 0.000110545  
 H29f: 9.93815e-05  
 H31f: 8.56951e-05

c1sd = -0.0273  
 c1ed = 0.5898  
 c2sd = -0.3481  
 c2ed = 0.9257  
 c3sd = -0.1433  
 c3ed = 1.5752  
 c4sd = 0.2106  
 c4ed = 2.165  
 varx = 5.10871%.

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Desired Amplitude: 0.13  
 Actual Amplitude: 0.130089  
 Actual Power: 0.0169232  
 Distortion 2H-16H: 0.163581%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4843 end: 20.3741 delta: 0.8898  
 P2 start: 39.1158 end: 40.7868 delta: 1.671  
 P3 start: 58.8389 end: 61.0932 delta: 2.2543  
 P4 start: 78.7043 end: 81.2699 delta: 2.5656

H3: 0.000403696  
 H5: 0.00063833  
 H7: 0.000758722  
 H9: 0.000675549  
 H11: 0.000686845  
 H13: 0.000659529

H15: 0.000408246  
**H17: -0.990261**  
**H19: 0.968099**  
 H21: 0.0148149  
 H23: 0.00196785  
 H25: 0.00217952  
 H27: 0.00202941  
 H29: 0.00215069  
 H31: 0.00203256

H15f: 2.72164e-05  
**H17f: -0.0582507**  
**H19f: 0.0509526**  
 H21f: 0.000705473  
 H23f: 8.55588e-05  
 H25f: 8.71806e-05  
 H27f: 7.51635e-05  
 H29f: 7.41616e-05  
 H31f: 6.55663e-05

c1sd = -0.0088  
 c1ed = 0.5707  
 c2sd = -0.3407  
 c2ed = 0.9234  
 c3sd = -0.1371  
 c3ed = 1.5693  
 c4sd = 0.217  
 c4ed = 2.1572  
 varx = 5.09567%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.14  
 Actual Amplitude: 0.140044  
 Actual Power: 0.0196122  
 Distortion 2H-16H: 0.102751%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4666 end: 20.4234 delta: 0.9568  
 P2 start: 39.055 end: 40.8534 delta: 1.7985  
 P3 start: 58.7513 end: 61.178 delta: 2.4268  
 P4 start: 78.6054 end: 81.3677 delta: 2.7623

H3: 0.000250001  
 H5: 0.000376844  
 H7: 0.00046403  
 H9: 0.000468451  
 H11: 0.000434119  
 H13: 0.000400888

H15: 0.000259466  
**H17: -0.986522**  
**H19: 0.965297**  
 H21: 0.0165529  
 H23: 0.00123909  
 H25: 0.00135018  
 H27: 0.00140296  
 H29: 0.00134371  
 H31: 0.00124678

H15f: 1.72978e-05  
**H17f: -0.0580307**  
**H19f: 0.0508051**  
 H21f: 0.000788236  
 H23f: 5.38734e-05  
 H25f: 5.40072e-05  
 H27f: 5.19617e-05  
 H29f: 4.63349e-05  
 H31f: 4.02186e-05

c1sd = 0.0388  
 c1ed = 0.4958  
 c2sd = -0.2774  
 c2ed = 0.8658  
 c3sd = -0.0576  
 c3ed = 1.4869  
 c4sd = 0.3089  
 c4ed = 2.0642  
 varx = 5.08102%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.15  
 Actual Amplitude: 0.150023  
 Actual Power: 0.022507  
 Distortion 2H-16H: 0.0354248%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4515 end: 20.4752 delta: 1.0238  
 P2 start: 38.9936 end: 40.9199 delta: 1.9262  
 P3 start: 58.6638 end: 61.2634 delta: 2.5996  
 P4 start: 78.5059 end: 81.4655 delta: 2.9596

H3: 9.91489e-05  
 H5: 0.00013294  
 H7: 0.000154649  
 H9: 0.000147824  
 H11: 0.000162795  
 H13: 0.000123119

H15: 0.000102757  
**H17: -0.982464**  
**H19: 0.962327**  
 H21: 0.0184442  
 H23: 0.000522401  
 H25: 0.000471504  
 H27: 0.000444671  
 H29: 0.000480551  
 H31: 0.000453513

H15f: 6.85049e-06  
**H17f: -0.057792**  
**H19f: 0.0506488**  
 H21f: 0.000878294  
 H23f: 2.27131e-05  
 H25f: 1.88601e-05  
 H27f: 1.64693e-05  
 H29f: 1.65707e-05  
 H31f: 1.46295e-05

c1sd = 0.0784  
 c1ed = 0.4435  
 c2sd = -0.2346  
 c2ed = 0.8281  
 c3sd = -0.0048  
 c3ed = 1.4321  
 c4sd = 0.3695  
 c4ed = 2.0019  
 varx = 5.06552%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.16  
 Actual Amplitude: 0.16001  
 Actual Power: 0.0256032  
 Distortion 2H-16H: 0.0230484%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.4182 end: 20.5094 delta: 1.0913  
 P2 start: 38.9257 end: 40.9797 delta: 2.054  
 P3 start: 58.5731 end: 61.3459 delta: 2.7728  
 P4 start: 78.4055 end: 81.5628 delta: 3.1573

H3: 5.75471e-05  
 H5: 8.80281e-05  
 H7: 9.22832e-05  
 H9: 9.74928e-05  
 H11: 9.89109e-05  
 H13: 9.79225e-05

H15: 6.83293e-05  
**H17: -0.979621**  
**H19: 0.957635**  
 H21: 0.0207827  
 H23: 0.000447564  
 H25: 0.000284137  
 H27: 0.000291512  
 H29: 0.000290592  
 H31: 0.000373832

H15f: 4.55529e-06  
**H17f: -0.0576248**  
**H19f: 0.0504019**  
 H21f: 0.000989652  
 H23f: 1.94593e-05  
 H25f: 1.13655e-05  
 H27f: 1.07968e-05  
 H29f: 1.00204e-05  
 H31f: 1.20591e-05

c1sd = 0.0733  
 c1ed = 0.4241  
 c2sd = -0.249  
 c2ed = 0.8344  
 c3sd = -0.0234  
 c3ed = 1.4424  
 c4sd = 0.3514  
 c4ed = 2.0168  
 varx = 5.041%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.17  
 Actual Amplitude: 0.170001  
 Actual Power: 0.0289003  
 Distortion 2H-16H: 0.0128391%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.3839 end: 20.5427 delta: 1.1588  
 P2 start: 38.8573 end: 41.0391 delta: 2.1818  
 P3 start: 58.4818 end: 61.4279 delta: 2.9461  
 P4 start: 78.3045 end: 81.6597 delta: 3.3552

H3: 3.45228e-05  
 H5: 4.35701e-05  
 H7: 5.89268e-05  
 H9: 4.67248e-05  
 H11: 6.17676e-05  
 H13: 4.07955e-05

H15: 4.75283e-05  
**H17: -0.97667**  
**H19: 0.952573**  
 H21: 0.0233133  
 H23: 0.000352047  
 H25: 0.000180048  
 H27: 0.000142158  
 H29: 0.000180536  
 H31: 0.000242648

H15f: 3.16856e-06  
**H17f: -0.0574512**  
**H19f: 0.0501354**  
 H21f: 0.00111016  
 H23f: 1.53064e-05  
 H25f: 7.20193e-06  
 H27f: 5.26513e-06  
 H29f: 6.2254e-06  
 H31f: 7.82736e-06

c1sd = 0.0802  
 c1ed = 0.3791  
 c2sd = -0.2391  
 c2ed = 0.8154  
 c3sd = -0.0092  
 c3ed = 1.419  
 c4sd = 0.3708  
 c4ed = 1.9934  
 varx = 5.01457%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.18  
 Actual Amplitude: 0.18  
 Actual Power: 0.0324001  
 Distortion 2H-16H: 0.0118267%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.3463 end: 20.5728 delta: 1.2264  
 P2 start: 38.7873 end: 41.0969 delta: 2.3096  
 P3 start: 58.3897 end: 61.5093 delta: 3.1196  
 P4 start: 78.2034 end: 81.7569 delta: 3.5535

H3: 3.30266e-05  
 H5: 5.05939e-05  
 H7: 4.57755e-05  
 H9: 5.6965e-05  
 H11: 4.32348e-05  
 H13: 4.86804e-05

H15: 2.75175e-05  
**H17: -0.973794**  
**H19: 0.946961**  
 H21: 0.0260229  
 H23: 0.00042948  
 H25: 0.00013883  
 H27: 0.000169552  
 H29: 0.000134365  
 H31: 0.000291677

H15f: 1.8345e-06  
**H17f: -0.057282**  
**H19f: 0.0498401**  
 H21f: 0.00123919  
 H23f: 1.86731e-05  
 H25f: 5.55319e-06  
 H27f: 6.27971e-06  
 H29f: 4.63327e-06  
 H31f: 9.40893e-06

c1sd = 0.0545  
 c1ed = 0.3864  
 c2sd = -0.2863  
 c2ed = 0.8506  
 c3sd = -0.0708  
 c3ed = 1.4697  
 c4sd = 0.3046  
 c4ed = 2.0556  
 varx = 4.98529%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.19  
 Actual Amplitude: 0.19  
 Actual Power: 0.0361  
 Distortion 2H-16H: 0.0102932%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.309      end: 20.6029      delta: 1.2939  
 P2 start: 38.717      end: 41.1544      delta: 2.4374  
 P3 start: 58.2971      end: 61.5902      delta: 3.2932  
 P4 start: 78.1018      end: 81.8537      delta: 3.7518

H3: 3.72798e-05  
 H5: 4.07415e-05  
 H7: 4.05133e-05  
 H9: 4.1851e-05  
 H11: 3.54037e-05  
 H13: 3.98197e-05

H15: 3.62413e-05  
**H17: -0.970749**  
**H19: 0.941047**  
 H21: 0.0289129  
 H23: 0.000468979  
 H25: 0.000119892  
 H27: 0.000125479  
 H29: 0.000111729  
 H31: 0.000296916

H15f: 2.41609e-06  
**H17f: -0.0571029**  
**H19f: 0.0495288**  
 H21f: 0.0013768  
 H23f: 2.03904e-05  
 H25f: 4.79567e-06  
 H27f: 4.64737e-06  
 H29f: 3.85273e-06  
 H31f: 9.57792e-06

c1sd = 0.004  
 c1ed = 0.4416  
 c2sd = -0.3817  
 c2ed = 0.933  
 c3sd = -0.197  
 c3ed = 1.5843  
 c4sd = 0.1646  
 c4ed = 2.1908  
 varx = 4.95447%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.2  
 Actual Amplitude: 0.200001  
 Actual Power: 0.0400003  
 Distortion 2H-16H: 0.00887723%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.2714 end: 20.6327 delta: 1.3613  
 P2 start: 38.6464 end: 41.2114 delta: 2.5651  
 P3 start: 58.2042 end: 61.6709 delta: 3.4667  
 P4 start: 78.0002 end: 81.9506 delta: 3.9504

H3: 3.41508e-05  
 H5: 3.79453e-05  
 H7: 3.1061e-05  
 H9: 3.61324e-05  
 H11: 2.20428e-05  
 H13: 3.5727e-05

H15: 3.52386e-05  
**H17: -0.967542**  
**H19: 0.934829**  
 H21: 0.0319147  
 H23: 0.000537834  
 H25: 9.01278e-05  
 H27: 0.000106978  
 H29: 7.75655e-05  
 H31: 0.000324714

H15f: 2.34924e-06  
**H17f: -0.0569142**  
**H19f: 0.0492015**  
 H21f: 0.00151975  
 H23f: 2.33841e-05  
 H25f: 3.60511e-06  
 H27f: 3.96214e-06  
 H29f: 2.67467e-06  
 H31f: 1.04747e-05

c1sd = 0.0089  
 c1ed = 0.3905  
 c2sd = -0.3715  
 c2ed = 0.9093  
 c3sd = -0.1811  
 c3ed = 1.5562  
 c4sd = 0.1872  
 c4ed = 2.1635  
 varx = 4.92211%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.21  
 Actual Amplitude: 0.21  
 Actual Power: 0.0441001  
 Distortion 2H-16H: 0.00434248%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.2343 end: 20.6628 delta: 1.4285  
 P2 start: 38.5759 end: 41.2685 delta: 2.6926  
 P3 start: 58.1112 end: 61.7516 delta: 3.6403  
 P4 start: 77.8982 end: 82.0474 delta: 4.1492

H3: 1.24076e-05  
 H5: 1.77079e-05  
 H7: 1.7553e-05  
 H9: 1.46562e-05  
 H11: 2.00076e-05  
 H13: 1.45666e-05

H15: 1.68165e-05  
**H17: -0.964102**  
**H19: 0.928388**  
 H21: 0.0350024  
 H23: 0.00056695  
 H25: 5.97586e-05  
 H27: 4.50527e-05  
 H29: 5.44321e-05  
 H31: 0.000311934

H15f: 1.1211e-06  
**H17f: -0.0567119**  
**H19f: 0.0488625**  
 H21f: 0.00166678  
 H23f: 2.465e-05  
 H25f: 2.39035e-06  
 H27f: 1.66862e-06  
 H29f: 1.87697e-06  
 H31f: 1.00624e-05

c1sd = 0.0328  
 c1ed = 0.3046  
 c2sd = -0.3259  
 c2ed = 0.8503  
 c3sd = -0.1178  
 c3ed = 1.4805  
 c4sd = 0.2636  
 c4ed = 2.082  
 varx = 4.88862%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.22  
 Actual Amplitude: 0.22  
 Actual Power: 0.0484001  
 Distortion 2H-16H: 0.00358421%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.196      end: 20.6917      delta: 1.4957  
 P2 start: 38.5046      end: 41.3247      delta: 2.8201  
 P3 start: 58.0176      end: 61.8315      delta: 3.814  
 P4 start: 77.7961      end: 82.1442      delta: 4.3481

H3: 1.04638e-05  
 H5: 1.51782e-05  
 H7: 1.11865e-05  
 H9: 1.68263e-05  
 H11: 1.23244e-05  
 H13: 1.41168e-05

H15: 1.36144e-05  
**H17: -0.960598**  
**H19: 0.921548**  
 H21: 0.0382649  
 H23: 0.000665831  
 H25: 4.16158e-05  
 H27: 5.00957e-05  
 H29: 3.40677e-05  
 H31: 0.000361272

H15f: 9.07625e-07  
**H17f: -0.0565058**  
**H19f: 0.0485025**  
 H21f: 0.00182214  
 H23f: 2.89492e-05  
 H25f: 1.66463e-06  
 H27f: 1.8554e-06  
 H29f: 1.17475e-06  
 H31f: 1.16539e-05

c1sd = -0.0003  
 c1ed = 0.3235  
 c2sd = -0.3872  
 c2ed = 0.8965  
 c3sd = -0.198  
 c3ed = 1.5471  
 c4sd = 0.1768  
 c4ed = 2.1635  
 varx = 4.85311%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.23  
 Actual Amplitude: 0.23  
 Actual Power: 0.0529  
 Distortion 2H-16H: 0.00335495%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.1573 end: 20.7201 delta: 1.5628  
 P2 start: 38.4329 end: 41.3803 delta: 2.9475  
 P3 start: 57.9235 end: 61.9112 delta: 3.9877  
 P4 start: 77.6936 end: 82.2409 delta: 4.5473

H3: 9.89882e-06  
 H5: 1.28685e-05  
 H7: 1.22557e-05  
 H9: 1.49582e-05  
 H11: 1.25985e-05  
 H13: 1.36807e-05

H15: 1.19226e-05  
**H17: -0.956952**  
**H19: 0.914396**  
 H21: 0.0416583  
 H23: 0.000780902  
 H25: 4.56138e-05  
 H27: 4.48747e-05  
 H29: 3.42932e-05  
 H31: 0.000419731

H15f: 7.94839e-07  
**H17f: -0.0562913**  
**H19f: 0.0481261**  
 H21f: 0.00198373  
 H23f: 3.39523e-05  
 H25f: 1.82455e-06  
 H27f: 1.66202e-06  
 H29f: 1.18252e-06  
 H31f: 1.35397e-05

c1sd = 0.0179  
 c1ed = 0.2438  
 c2sd = -0.3509  
 c2ed = 0.8441  
 c3sd = -0.1466  
 c3ed = 1.4813  
 c4sd = 0.2404  
 c4ed = 2.0941  
 varx = 4.81602%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.24  
 Actual Amplitude: 0.24  
 Actual Power: 0.0576001  
 Distortion 2H-16H: 0.00304118%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.1185 end: 20.7483 delta: 1.6297  
 P2 start: 38.3608 end: 41.4355 delta: 3.0747  
 P3 start: 57.8291 end: 61.9905 delta: 4.1614  
 P4 start: 77.5909 end: 82.3375 delta: 4.7466

H3: 1.1489e-05  
 H5: 1.26485e-05  
 H7: 1.11126e-05  
 H9: 9.83771e-06  
 H11: 1.22173e-05  
 H13: 1.01674e-05

H15: 1.26485e-05  
**H17: -0.953147**  
**H19: 0.90695**  
 H21: 0.0451809  
 H23: 0.000913083  
 H25: 4.46998e-05  
 H27: 2.99582e-05  
 H29: 3.00729e-05  
 H31: 0.000484152

H15f: 8.43233e-07  
**H17f: -0.0560675**  
**H19f: 0.0477342**  
 H21f: 0.00215147  
 H23f: 3.96993e-05  
 H25f: 1.78799e-06  
 H27f: 1.10956e-06  
 H29f: 1.037e-06  
 H31f: 1.56178e-05

c1sd = 0.013  
 c1ed = 0.2074  
 c2sd = -0.3584  
 c2ed = 0.8346  
 c3sd = -0.154  
 c3ed = 1.4736  
 c4sd = 0.237  
 c4ed = 2.0914  
 varx = 4.77746%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.25  
 Actual Amplitude: 0.25  
 Actual Power: 0.0625  
 Distortion 2H-16H: 0.00533037%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.0787 end: 20.7753 delta: 1.6966  
 P2 start: 38.2881 end: 41.49 delta: 3.2018  
 P3 start: 57.7341 end: 62.0693 delta: 4.3352  
 P4 start: 77.4879 end: 82.4341 delta: 4.9462

H3: 1.45711e-05  
 H5: 1.78496e-05  
 H7: 2.18132e-05  
 H9: 2.26998e-05  
 H11: 2.03112e-05  
 H13: 1.84473e-05

H15: 2.37994e-05  
**H17: -0.949249**  
**H19: 0.899146**  
 H21: 0.0488322  
 H23: 0.00108544  
 H25: 7.3681e-05  
 H27: 6.70876e-05  
 H29: 5.43798e-05  
 H31: 0.000585408

H15f: 1.58663e-06  
**H17f: -0.0558382**  
**H19f: 0.0473235**  
 H21f: 0.00232534  
 H23f: 4.7193e-05  
 H25f: 2.94724e-06  
 H27f: 2.48473e-06  
 H29f: 1.87517e-06  
 H31f: 1.88841e-05

c1sd = 0.0496  
 c1ed = 0.0891  
 c2sd = -0.2857  
 c2ed = 0.7438  
 c3sd = -0.0533  
 c3ed = 1.3567  
 c4sd = 0.3573  
 c4ed = 1.9646  
 varx = 4.73711%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.26  
 Actual Amplitude: 0.26  
 Actual Power: 0.0676001  
 Distortion 2H-16H: 0.00407403%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.0397 end: 20.803 delta: 1.7632  
 P2 start: 38.2155 end: 41.5444 delta: 3.3288  
 P3 start: 57.639 end: 62.148 delta: 4.509  
 P4 start: 77.3847 end: 82.5307 delta: 5.146

H3: 1.03134e-05  
 H5: 1.17339e-05  
 H7: 1.85974e-05  
 H9: 1.79998e-05  
 H11: 1.55231e-05  
 H13: 1.61661e-05

H15: 1.56063e-05  
**H17: -0.945112**  
**H19: 0.891143**  
 H21: 0.0525686  
 H23: 0.00124365  
 H25: 6.72277e-05  
 H27: 5.48642e-05  
 H29: 4.20621e-05  
 H31: 0.000662869

H15f: 1.04042e-06  
**H17f: -0.0555948**  
**H19f: 0.0469023**  
 H21f: 0.00250327  
 H23f: 5.40716e-05  
 H25f: 2.68911e-06  
 H27f: 2.03201e-06  
 H29f: 1.45042e-06  
 H31f: 2.13829e-05

c1sd = 0.0412  
 c1ed = 0.0587  
 c2sd = -0.3002  
 c2ed = 0.7401  
 c3sd = -0.0702  
 c3ed = 1.3572  
 c4sd = 0.3434  
 c4ed = 1.972  
 varx = 4.69579%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.27  
 Actual Amplitude: 0.27  
 Actual Power: 0.0729  
 Distortion 2H-16H: 0.000604169%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 19.0014 end: 20.8311 delta: 1.8297  
 P2 start: 38.1429 end: 41.5985 delta: 3.4557  
 P3 start: 57.5436 end: 62.2265 delta: 4.6829  
 P4 start: 77.2812 end: 82.6273 delta: 5.346

H3: 0.0	H15: 1.57404e-06	H15f: 1.04936e-07
H5: 1.85511e-06	H17: -0.940764	H17f: -0.0553391
H7: 2.65016e-06	H19: 0.882913	H19f: 0.0464691
H9: 3.24801e-06	H21: 0.056407	H21f: 0.00268605
H11: 2.78522e-06	H23: 0.00140221	H23f: 6.09657e-05
H13: 2.29186e-06	H25: 2.66462e-05	H25f: 1.06585e-06
	H27: 1.01292e-05	H27f: 3.75156e-07
	H29: -3.81878e-06	H29f: -1.31682e-07
	H31: 0.000726613	H31f: 2.34391e-05

c1sd = 0.013  
 c1ed = 0.0676  
 c2sd = -0.3536  
 c2ed = 0.775  
 c3sd = -0.1396  
 c3ed = 1.4097  
 c4sd = 0.2696  
 c4ed = 2.0389  
 varx = 4.65338%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.28  
 Actual Amplitude: 0.28  
 Actual Power: 0.0784  
 Distortion 2H-16H: 0.000512942%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.9618 end: 20.8579 delta: 1.8961  
 P2 start: 38.0694 end: 41.6518 delta: 3.5824  
 P3 start: 57.4476 end: 62.3043 delta: 4.8568  
 P4 start: 77.1775 end: 82.7238 delta: 5.5463

H3: 1.71658e-06  
 H5: 2.00569e-06  
 H7: 1.58752e-06  
 H9: 2.34901e-06  
 H11: 2.14367e-06  
 H13: 1.85558e-06

H15: 1.80693e-06  
**H17: -0.936348**  
**H19: 0.874311**  
 H21: 0.0603797  
 H23: 0.00161702  
 H25: 2.90554e-05  
 H27: 8.45241e-06  
 H29: -9.3088e-06  
 H31: 0.000837459

H15f: 1.20462e-07  
**H17f: -0.0550793**  
**H19f: 0.0460164**  
 H21f: 0.00287522  
 H23f: 7.03052e-05  
 H25f: 1.16222e-06  
 H27f: 3.13052e-07  
 H29f: -3.20993e-07  
 H31f: 2.70148e-05

c1sd = 0.0337  
 c1ed = -0.0204  
 c2sd = -0.3122  
 c2ed = 0.7135  
 c3sd = -0.0811  
 c3ed = 1.333  
 c4sd = 0.3422  
 c4ed = 1.959  
 varx = 4.60912%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.29  
 Actual Amplitude: 0.29  
 Actual Power: 0.0841  
 Distortion 2H-16H: 0.00226488%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.9214 end: 20.8838 delta: 1.9624  
 P2 start: 37.9954 end: 41.7044 delta: 3.709  
 P3 start: 57.351 end: 62.3817 delta: 5.0308  
 P4 start: 77.0733 end: 82.8202 delta: 5.7469

H3: 4.79771e-06  
 H5: 6.48999e-06  
 H7: 9.75741e-06  
 H9: 9.21741e-06  
 H11: 1.08008e-05  
 H13: 7.26702e-06

H15: 9.90944e-06  
**H17: -0.931824**  
**H19: 0.865381**  
 H21: 0.0644644  
 H23: 0.00186981  
 H25: 5.81168e-05  
 H27: 2.88444e-05  
 H29: 1.13882e-05  
 H31: 0.00097988

H15f: 6.6063e-07  
**H17f: -0.0548132**  
**H19f: 0.0455464**  
 H21f: 0.00306973  
 H23f: 8.1296e-05  
 H25f: 2.32467e-06  
 H27f: 1.06831e-06  
 H29f: 3.92695e-07  
 H31f: 3.1609e-05

c1sd = 0.0494  
 c1ed = -0.1014  
 c2sd = -0.2794  
 c2ed = 0.6592  
 c3sd = -0.0338  
 c3ed = 1.2665  
 c4sd = 0.4023  
 c4ed = 1.8912  
 varx = 4.56326%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.3  
 Actual Amplitude: 0.3  
 Actual Power: 0.0899999  
 Distortion 2H-16H: 0.000144729%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.8821 end: 20.9105 delta: 2.0284  
 P2 start: 37.9215 end: 41.7569 delta: 3.8354  
 P3 start: 57.2542 end: 62.459 delta: 5.2048  
 P4 start: 76.969 end: 82.9167 delta: 5.9477

H3: 5.0594e-07  
 H5: 5.56534e-07  
 H7: 7.22772e-07  
 H9: 2.81078e-08  
 H11: 5.51935e-07  
 H13: 2.14052e-07

H15: 8.09504e-07  
**H17: -0.927054**  
**H19: 0.856278**  
 H21: 0.0686236  
 H23: 0.0021134  
 H25: 3.64176e-05  
 H27: 1.82701e-06  
 H29: -2.27237e-05  
 H31: 0.00109618

H15f: 5.3967e-08  
**H17f: -0.0545326**  
**H19f: 0.0450672**  
 H21f: 0.00326779  
 H23f: 9.1887e-05  
 H25f: 1.4567e-06  
 H27f: 6.76669e-08  
 H29f: -7.83576e-07  
 H31f: 3.53605e-05

c1sd = 0.0497  
 c1ed = -0.15  
 c2sd = -0.278  
 c2ed = 0.6364  
 c3sd = -0.0291  
 c3ed = 1.2424  
 c4sd = 0.4137  
 c4ed = 1.8719  
 varx = 4.5166%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.31  
 Actual Amplitude: 0.31  
 Actual Power: 0.0961002  
 Distortion 2H-16H: 0.0001139999%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.8419 end: 20.9363 delta: 2.0944  
 P2 start: 37.8471 end: 41.8087 delta: 3.9616  
 P3 start: 57.1569 end: 62.5357 delta: 5.3788  
 P4 start: 76.8643 end: 83.0131 delta: 6.1489

H3: 4.08016e-07  
 H5: 2.93771e-07  
 H7: 1.04918e-07  
 H9: 7.61629e-07  
 H11: 1.55788e-07  
 H13: 5.27282e-07

H15: 3.91695e-07  
**H17: -0.922184**  
**H19: 0.846846**  
 H21: 0.0728887  
 H23: 0.00240305  
 H25: 4.26556e-05  
 H27: 4.09829e-06  
 H29: -2.82544e-05  
 H31: 0.00124979

H15f: 2.6113e-08  
**H17f: -0.0542461**  
**H19f: 0.0445708**  
 H21f: 0.00347089  
 H23f: 0.00010448  
 H25f: 1.70622e-06  
 H27f: 1.51789e-07  
 H29f: -9.74289e-07  
 H31f: 4.03159e-05

c1sd = 0.0392  
 c1ed = -0.1806  
 c2sd = -0.296  
 c2ed = 0.6318  
 c3sd = -0.0505  
 c3ed = 1.2432  
 c4sd = 0.3957  
 c4ed = 1.8817  
 varx = 4.46834%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.32  
 Actual Amplitude: 0.32  
 Actual Power: 0.1024  
 Distortion 2H-16H: 0.000541072%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.8014 end: 20.9615 delta: 2.1601  
 P2 start: 37.7722 end: 41.8599 delta: 4.0877  
 P3 start: 57.0591 end: 62.6121 delta: 5.553  
 P4 start: 76.7592 end: 83.1096 delta: 6.3503

H3: 6.32425e-07  
 H5: 1.99214e-06  
 H7: 1.62624e-06  
 H9: 3.63644e-06  
 H11: 1.76792e-06  
 H13: 2.37159e-06

H15: 5.37561e-07  
**H17: -0.917175**  
**H19: 0.837134**  
 H21: 0.0772449  
 H23: 0.00272659  
 H25: 5.53625e-05  
 H27: 1.13573e-05  
 H29: -3.07653e-05  
 H31: 0.00142467

H15f: 3.58374e-08  
**H17f: -0.0539515**  
**H19f: 0.0440597**  
 H21f: 0.00367833  
 H23f: 0.000118547  
 H25f: 2.2145e-06  
 H27f: 4.20641e-07  
 H29f: -1.06087e-06  
 H31f: 4.59571e-05

c1sd = 0.0299  
 c1ed = -0.2147  
 c2sd = -0.3116  
 c2ed = 0.6237  
 c3sd = -0.0684  
 c3ed = 1.2396  
 c4sd = 0.3819  
 c4ed = 1.8869  
 varx = 4.41876%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.33  
 Actual Amplitude: 0.33  
 Actual Power: 0.1089  
 Distortion 2H-16H: 0.00124446%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.7607 end: 20.9864 delta: 2.2257  
 P2 start: 37.6969 end: 41.9105 delta: 4.2136  
 P3 start: 56.9609 end: 62.688 delta: 5.7271  
 P4 start: 76.6538 end: 83.2059 delta: 6.5521

H3: 3.44959e-06  
 H5: 7.03716e-06  
 H7: 4.43519e-06  
 H9: 4.88053e-06  
 H11: 3.13599e-06  
 H13: 4.38717e-06

H15: 4.56879e-06  
**H17: -0.912025**  
**H19: 0.827149**  
 H21: 0.0816927  
 H23: 0.00308569  
 H25: 7.40144e-05  
 H27: 1.58596e-05  
 H29: -3.19424e-05  
 H31: 0.00161917

H15f: 3.04586e-07  
**H17f: -0.0536485**  
**H19f: 0.0435341**  
 H21f: 0.00389013  
 H23f: 0.000134161  
 H25f: 2.96058e-06  
 H27f: 5.87392e-07  
 H29f: -1.10146e-06  
 H31f: 5.22313e-05

c1sd = 0.01  
 c1ed = -0.2295  
 c2sd = -0.3472  
 c2ed = 0.6346  
 c3sd = -0.1133  
 c3ed = 1.2621  
 c4sd = 0.3374  
 c4ed = 1.9224  
 varx = 4.3679%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.34  
 Actual Amplitude: 0.34  
 Actual Power: 0.1156  
 Distortion 2H-16H: 4.02666e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.7203 end: 21.0114 delta: 2.291  
 P2 start: 37.6215 end: 41.9608 delta: 4.3393  
 P3 start: 56.8622 end: 62.7636 delta: 5.9014  
 P4 start: 76.5481 end: 83.3023 delta: 6.7542

H3: 2.97612e-07  
 H5: 8.92835e-08  
 H7: -1.59435e-08  
 H9: -4.96019e-08  
 H11: 1.01459e-07  
 H13: -1.54529e-07

H15: 5.95223e-08  
**H17: -0.90668**  
**H19: 0.816954**  
 H21: 0.0862046  
 H23: 0.0034476  
 H25: 7.26678e-05  
 H27: 2.05848e-06  
 H29: -5.19615e-05  
 H31: 0.00180576

H15f: 3.96816e-09  
**H17f: -0.0533341**  
**H19f: 0.0429976**  
 H21f: 0.00410498  
 H23f: 0.000149896  
 H25f: 2.90671e-06  
 H27f: 7.624e-08  
 H29f: -1.79177e-06  
 H31f: 5.82503e-05

c1sd = 0.0372  
 c1ed = -0.3331  
 c2sd = -0.294  
 c2ed = 0.5564  
 c3sd = -0.0388  
 c3ed = 1.1646  
 c4sd = 0.4293  
 c4ed = 1.8211  
 varx = 4.31608%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.35  
 Actual Amplitude: 0.35  
 Actual Power: 0.1225  
 Distortion 2H-16H: 8.72102e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.6794 end: 21.0356 delta: 2.3562  
 P2 start: 37.5456 end: 42.0104 delta: 4.4648  
 P3 start: 56.7631 end: 62.8387 delta: 6.0756  
 P4 start: 76.442 end: 83.3987 delta: 6.9567

H3: 5.0594e-07  
 H5: 8.67326e-08  
 H7: 2.47807e-07  
 H9: 3.37293e-07  
 H11: 1.37984e-07  
 H13: 3.33587e-08

H15: 5.49306e-07  
**H17: -0.901219**  
**H19: 0.806468**  
 H21: 0.0908001  
 H23: 0.00386094  
 H25: 8.62382e-05  
 H27: 4.63377e-06  
 H29: -6.20063e-05  
 H31: 0.00202834

H15f: 3.66204e-08  
**H17f: -0.0530129**  
**H19f: 0.0424457**  
 H21f: 0.00432381  
 H23f: 0.000167867  
 H25f: 3.44953e-06  
 H27f: 1.71621e-07  
 H29f: -2.13815e-06  
 H31f: 6.54303e-05

c1sd = 0.0662  
 c1ed = -0.4419  
 c2sd = -0.2368  
 c2ed = 0.4729  
 c3sd = 0.0413  
 c3ed = 1.0605  
 c4sd = 0.5278  
 c4ed = 1.7129  
 varx = 4.26292%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.36  
 Actual Amplitude: 0.36  
 Actual Power: 0.1296  
 Distortion 2H-16H: 0.000141293%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.6383 end: 21.0595 delta: 2.4212  
 P2 start: 37.4693 end: 42.0595 delta: 4.5901  
 P3 start: 56.6634 end: 62.9134 delta: 6.25  
 P4 start: 76.3355 end: 83.4951 delta: 7.1596

H3: 7.02694e-08  
 H5: 6.32425e-07  
 H7: 5.11963e-07  
 H9: 5.15309e-07  
 H11: 7.28247e-07  
 H13: 6.32425e-07

H15: 3.65401e-07  
**H17: -0.895611**  
**H19: 0.795729**  
 H21: 0.0954637  
 H23: 0.00430975  
 H25: 0.000103692  
 H27: 5.47321e-06  
 H29: -7.25835e-05  
 H31: 0.00227122

H15f: 2.43601e-08  
**H17f: -0.052683**  
**H19f: 0.0418805**  
 H21f: 0.00454589  
 H23f: 0.00018738  
 H25f: 4.1477e-06  
 H27f: 2.02711e-07  
 H29f: -2.50288e-06  
 H31f: 7.32652e-05

c1sd = 0.0836  
 c1ed = -0.5292  
 c2sd = -0.2019  
 c2ed = 0.4107  
 c3sd = 0.0914  
 c3ed = 0.9855  
 c4sd = 0.5922  
 c4ed = 1.6384  
 varx = 4.2086%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.37  
 Actual Amplitude: 0.37  
 Actual Power: 0.1369  
 Distortion 2H-16H: 0.000412161%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.597      end: 21.083      delta: 2.486  
 P2 start: 37.3926      end: 42.1079      delta: 4.7152  
 P3 start: 56.5633      end: 62.9876      delta: 6.4244  
 P4 start: 76.2286      end: 83.5914      delta: 7.3628

H3: 1.43578e-06  
 H5: 1.23066e-06  
 H7: 1.58228e-06  
 H9: 2.00553e-06  
 H11: 1.51036e-06  
 H13: 1.53044e-06

H15: 1.50415e-06  
**H17: -0.889864**  
**H19: 0.784736**  
 H21: 0.100196  
 H23: 0.00479745  
 H25: 0.000124363  
 H27: 1.12279e-05  
 H29: -8.34164e-05  
 H31: 0.00253645

H15f: 1.00276e-07  
**H17f: -0.0523449**  
**H19f: 0.0413019**  
 H21f: 0.00477122  
 H23f: 0.000208585  
 H25f: 4.97451e-06  
 H27f: 4.15849e-07  
 H29f: -2.87643e-06  
 H31f: 8.18211e-05

c1sd = 0.0891  
 c1ed = -0.595  
 c2sd = -0.1894  
 c2ed = 0.3699  
 c3sd = 0.1113  
 c3ed = 0.9396  
 c4sd = 0.6224  
 c4ed = 1.5976  
 varx = 4.15314%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.38  
 Actual Amplitude: 0.38  
 Actual Power: 0.1444  
 Distortion 2H-16H: 0.000111016%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.5556 end: 21.1062 delta: 2.5506  
 P2 start: 37.3157 end: 42.1558 delta: 4.8401  
 P3 start: 56.4626 end: 63.0615 delta: 6.5988  
 P4 start: 76.1213 end: 83.6877 delta: 7.5664

H3: 3.99426e-07  
 H5: 7.98853e-08  
 H7: 5.42079e-07  
 H9: 3.55046e-07  
 H11: 4.17582e-07  
 H13: 3.99426e-07

H15: 5.59197e-07  
**H17: -0.883958**  
**H19: 0.773513**  
 H21: 0.104981  
 H23: 0.00531711  
 H25: 0.000142036  
 H27: 7.21926e-06  
 H29: -0.000102198  
 H31: 0.00281768

H15f: 3.72798e-08  
**H17f: -0.0519975**  
**H19f: 0.0407112**  
 H21f: 0.00499911  
 H23f: 0.000231179  
 H25f: 5.68144e-06  
 H27f: 2.6738e-07  
 H29f: -3.52407e-06  
 H31f: 9.0893e-05

c1sd = 0.0911  
 c1ed = -0.6542  
 c2sd = -0.184  
 c2ed = 0.3354  
 c3sd = 0.1217  
 c3ed = 0.9025  
 c4sd = 0.6418  
 c4ed = 1.5673  
 varx = 4.09668%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.39  
 Actual Amplitude: 0.39  
 Actual Power: 0.1521  
 Distortion 2H-16H: 4.68572e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.5141 end: 21.129 delta: 2.6149  
 P2 start: 37.2383 end: 42.203 delta: 4.9647  
 P3 start: 56.3615 end: 63.1348 delta: 6.7733  
 P4 start: 76.0136 end: 83.7841 delta: 7.7705

H3: -3.2432e-07  
 H5: -1.94592e-07  
 H7: 1.11196e-07  
 H9: -1.94592e-07  
 H11: -1.06141e-07  
 H13: -1.19749e-07

H15: -2.59456e-08  
**H17: -0.877915**  
**H19: 0.762045**  
 H21: 0.109824  
 H23: 0.00587983  
 H25: 0.000164049  
 H27: 7.04135e-06  
 H29: -0.000122694  
 H31: 0.00312389

H15f: -1.72971e-09  
**H17f: -0.051642**  
**H19f: 0.0401076**  
 H21f: 0.00522969  
 H23f: 0.000255645  
 H25f: 6.56196e-06  
 H27f: 2.60791e-07  
 H29f: -4.23082e-06  
 H31f: 0.000100771

c1sd = 0.0829  
 c1ed = -0.6948  
 c2sd = -0.1979  
 c2ed = 0.3192  
 c3sd = 0.1059  
 c3ed = 0.8904  
 c4sd = 0.6315  
 c4ed = 1.5662  
 varx = 4.03915%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.4  
 Actual Amplitude: 0.4  
 Actual Power: 0.16  
 Distortion 2H-16H: 3.33656e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.4722 end: 21.1513 delta: 2.679  
 P2 start: 37.1605 end: 42.2496 delta: 5.0891  
 P3 start: 56.2598 end: 63.2076 delta: 6.9479  
 P4 start: 75.9055 end: 83.8805 delta: 7.975

H3: 0.0  
 H5: 1.51782e-07  
 H7: -1.89727e-07  
 H9: 1.89727e-07  
 H11: 1.72479e-08  
 H13: 0.0

H15: 1.26485e-07  
**H17: -0.871731**  
**H19: 0.750337**  
 H21: 0.114713  
 H23: 0.00648538  
 H25: 0.000190304  
 H27: 9.80258e-06  
 H29: -0.000143107  
 H31: 0.00345664

H15f: 8.43233e-09  
**H17f: -0.0512783**  
**H19f: 0.0394914**  
 H21f: 0.00546254  
 H23f: 0.000281973  
 H25f: 7.61217e-06  
 H27f: 3.63059e-07  
 H29f: -4.93472e-06  
 H31f: 0.000111504

c1sd = 0.1199  
 c1ed = -0.8225  
 c2sd = -0.1257  
 c2ed = 0.2159  
 c3sd = 0.2061  
 c3ed = 0.7613  
 c4sd = 0.7539  
 c4ed = 1.432  
 varx = 3.9806%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.41  
 Actual Amplitude: 0.41  
 Actual Power: 0.1681  
 Distortion 2H-16H: 5.35995e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.4303 end: 21.1732 delta: 2.7429  
 P2 start: 37.0824 end: 42.2956 delta: 5.2132  
 P3 start: 56.1575 end: 63.28 delta: 7.1225  
 P4 start: 75.7969 end: 83.9768 delta: 8.1799

H3: 6.17e-08  
 H5: -2.9616e-07  
 H7: -1.851e-07  
 H9: -2.67367e-07  
 H11: -2.18755e-07  
 H13: -1.99338e-07

H15: -4.936e-08  
**H17: -0.865404**  
**H19: 0.738402**  
 H21: 0.119646  
 H23: 0.00713377  
 H25: 0.00021978  
 H27: 1.03656e-05  
 H29: -0.000167598  
 H31: 0.00381317

H15f: -3.29067e-09  
**H17f: -0.0509061**  
**H19f: 0.0388633**  
 H21f: 0.0056974  
 H23f: 0.000310164  
 H25f: 8.79121e-06  
 H27f: 3.83911e-07  
 H29f: -5.77926e-06  
 H31f: 0.000123005

c1sd = 0.1265  
 c1ed = -0.8928  
 c2sd = -0.1116  
 c2ed = 0.1695  
 c3sd = 0.2282  
 c3ed = 0.7093  
 c4sd = 0.7872  
 c4ed = 1.3865  
 varx = 3.92109%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.42  
Actual Amplitude: 0.42  
Actual Power: 0.1764  
Distortion 2H-16H: 6.84518e-05%  
First strong harmonics: 17 and 19  
Pulses per sine cycle: 16  
Total switching events: 32  
Delta Friendly: No

P1 start: 18.3881 end: 21.1947 delta: 2.8066  
P2 start: 37.0038 end: 42.3409 delta: 5.3371  
P3 start: 56.0547 end: 63.3518 delta: 7.2971  
P4 start: 75.6878 end: 84.0732 delta: 8.3854

H3: -2.40924e-07  
H5: -1.08416e-07  
H7: 2.58133e-08  
H9: -4.21617e-07  
H11: -1.14986e-07  
H13: -4.44782e-07

H15: -9.63695e-08  
H17: -0.858939  
H19: 0.726237  
H21: 0.124615  
H23: 0.00782895  
H25: 0.000254473  
H27: 1.3639e-05  
H29: -0.000194251  
H31: 0.00419783

H15f: -6.42463e-09  
H17f: -0.0505258  
H19f: 0.038223  
H21f: 0.00593404  
H23f: 0.000340389  
H25f: 1.01789e-05  
H27f: 5.05147e-07  
H29f: -6.69831e-06  
H31f: 0.000135414

c1sd = 0.1276  
c1ed = -0.9537  
c2sd = -0.1078  
c2ed = 0.1325  
c3sd = 0.2362  
c3ed = 0.6703  
c4sd = 0.8046  
c4ed = 1.3563  
varx = 3.86064%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.43  
 Actual Amplitude: 0.43  
 Actual Power: 0.1849  
 Distortion 2H-16H: 2.84683e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.3458 end: 21.2158 delta: 2.87  
 P2 start: 36.9249 end: 42.3856 delta: 5.4607  
 P3 start: 55.9513 end: 63.4231 delta: 7.4718  
 P4 start: 75.5782 end: 84.1695 delta: 8.5913

H3: -2.35321e-07  
 H5: -3.52981e-08  
 H7: 0.0  
 H9: 3.92202e-08  
 H11: 0.0  
 H13: 5.43048e-08

H15: -1.41193e-07  
**H17: -0.852336**  
**H19: 0.71385**  
 H21: 0.129614  
 H23: 0.00857244  
 H25: 0.00029284  
 H27: 1.73222e-05  
 H29: -0.000224399  
 H31: 0.00461139

H15f: -9.41283e-09  
**H17f: -0.0501374**  
**H19f: 0.037571**  
 H21f: 0.00617212  
 H23f: 0.000372715  
 H25f: 1.17136e-05  
 H27f: 6.41564e-07  
 H29f: -7.73789e-06  
 H31f: 0.000148755

c1sd = 0.1269  
 c1ed = -1.012  
 c2sd = -0.1074  
 c2ed = 0.0978  
 c3sd = 0.2397  
 c3ed = 0.6347  
 c4sd = 0.8171  
 c4ed = 1.3307  
 varx = 3.79929%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.44  
 Actual Amplitude: 0.44  
 Actual Power: 0.1936  
 Distortion 2H-16H: 2.49304e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.3033 end: 21.2364 delta: 2.9331  
 P2 start: 36.8455 end: 42.4295 delta: 5.584  
 P3 start: 55.8473 end: 63.4939 delta: 7.6466  
 P4 start: 75.4681 end: 84.2659 delta: 8.7978

H3: 1.14986e-07  
 H5: -1.7248e-07  
 H7: -9.85598e-08  
 H9: -7.66576e-08  
 H11: 1.568e-08  
 H13: -5.30706e-08

H15: -2.29973e-08  
**H17: -0.845592**  
**H19: 0.701247**  
 H21: 0.134639  
 H23: 0.00936386  
 H25: 0.000334583  
 H27: 2.01546e-05  
 H29: -0.000259225  
 H31: 0.0050532

H15f: -1.53315e-09  
**H17f: -0.0497407**  
**H19f: 0.0369077**  
 H21f: 0.0064114  
 H23f: 0.000407124  
 H25f: 1.33833e-05  
 H27f: 7.46465e-07  
 H29f: -8.93879e-06  
 H31f: 0.000163006

c1sd = 0.1302  
 c1ed = -1.0784  
 c2sd = -0.0997  
 c2ed = 0.0547  
 c3sd = 0.2529  
 c3ed = 0.5883  
 c4sd = 0.8407  
 c4ed = 1.2933  
 varx = 3.7371%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.45  
 Actual Amplitude: 0.45  
 Actual Power: 0.2025  
 Distortion 2H-16H: 4.81802e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.2606 end: 21.2565 delta: 2.996  
 P2 start: 36.7657 end: 42.4727 delta: 5.707  
 P3 start: 55.7427 end: 63.5641 delta: 7.8214  
 P4 start: 75.3575 end: 84.3623 delta: 9.0048

H3: 5.62156e-08  
 H5: 6.74587e-08  
 H7: 7.22771e-08  
 H9: 1.49908e-07  
 H11: 3.67956e-07  
 H13: 1.03783e-07

H15: -2.24862e-07  
**H17: -0.838714**  
**H19: 0.688429**  
 H21: 0.139682  
 H23: 0.0102082  
 H25: 0.00038415  
 H27: 2.63776e-05  
 H29: -0.000296865  
 H31: 0.00552794

H15f: -1.49908e-08  
**H17f: -0.0493361**  
**H19f: 0.0362331**  
 H21f: 0.00665151  
 H23f: 0.000443835  
 H25f: 1.5366e-05  
 H27f: 9.76948e-07  
 H29f: -1.02367e-05  
 H31f: 0.000178321

c1sd = 0.144  
 c1ed = -1.1658  
 c2sd = -0.072  
 c2ed = -0.0096  
 c3sd = 0.2931  
 c3ed = 0.5138  
 c4sd = 0.8953  
 c4ed = 1.2244  
 varx = 3.67408%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.46  
 Actual Amplitude: 0.460001  
 Actual Power: 0.2116  
 Distortion 2H-16H: 0.000949985%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.218      end: 21.2766      delta: 3.0585  
 P2 start: 36.6856      end: 42.5153      delta: 5.8296  
 P3 start: 55.6375      end: 63.6338      delta: 7.9962  
 P4 start: 75.2463      end: 84.4588      delta: 9.2124

H3: -1.20986e-06  
 H5: -2.44171e-06  
 H7: -4.38376e-06  
 H9: -5.38935e-06  
 H11: -3.86954e-06  
 H13: -4.36563e-06

H15: -7.25913e-07  
**H17: -0.831678**  
**H19: 0.675429**  
 H21: 0.144739  
 H23: 0.0110959  
 H25: 0.000425062  
 H27: 1.56059e-05  
 H29: -0.000355709  
 H31: 0.00602165

H15f: -4.83942e-08  
**H17f: -0.0489222**  
**H19f: 0.0355489**  
 H21f: 0.00689235  
 H23f: 0.000482428  
 H25f: 1.70025e-05  
 H27f: 5.77997e-07  
 H29f: -1.22658e-05  
 H31f: 0.000194247

c1sd = 0.1855  
 c1ed = -1.3056  
 c2sd = 0.0078  
 c2ed = -0.1269  
 c3sd = 0.4032  
 c3ed = 0.3681  
 c4sd = 1.0299  
 c4ed = 1.0751  
 varx = 3.61043%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.47  
 Actual Amplitude: 0.47  
 Actual Power: 0.2209  
 Distortion 2H-16H: 0.00036358%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.1747 end: 21.2956 delta: 3.1209  
 P2 start: 36.605 end: 42.557 delta: 5.952  
 P3 start: 55.5317 end: 63.7028 delta: 8.1711  
 P4 start: 75.1346 end: 84.5552 delta: 9.4206

H3: -4.84411e-07  
 H5: -5.81293e-07  
 H7: -1.49937e-06  
 H9: -1.72235e-06  
 H11: -2.17251e-06  
 H13: -9.93663e-07

H15: -1.31329e-06  
**H17: -0.824539**  
**H19: 0.662191**  
 H21: 0.149798  
 H23: 0.0120532  
 H25: 0.000491748  
 H27: 3.13252e-05  
 H29: -0.000396337  
 H31: 0.00656799

H15f: -8.75528e-08  
**H17f: -0.0485023**  
**H19f: 0.0348521**  
 H21f: 0.00713322  
 H23f: 0.000524051  
 H25f: 1.96699e-05  
 H27f: 1.16019e-06  
 H29f: -1.36668e-05  
 H31f: 0.000211871

c1sd = 0.1714  
 c1ed = -1.3421  
 c2sd = -0.0173  
 c2ed = -0.1407  
 c3sd = 0.3721  
 c3ed = 0.3624  
 c4sd = 1.0035  
 c4ed = 1.0863  
 varx = 3.54588%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.48  
 Actual Amplitude: 0.48  
 Actual Power: 0.2304  
 Distortion 2H-16H: 0.000694502%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.1316 end: 21.3145 delta: 3.1829  
 P2 start: 36.524 end: 42.598 delta: 6.074  
 P3 start: 55.4251 end: 63.7712 delta: 8.3461  
 P4 start: 75.0222 end: 84.6517 delta: 9.6295

H3: -1.47566e-06  
 H5: -2.56132e-06  
 H7: -3.41058e-06  
 H9: -3.4432e-06  
 H11: -2.41471e-06  
 H13: -3.16212e-06

H15: -4.21617e-07  
**H17: -0.817246**  
**H19: 0.648776**  
 H21: 0.154859  
 H23: 0.0130562  
 H25: 0.000553479  
 H27: 3.36415e-05  
 H29: -0.000455646  
 H31: 0.00713691

H15f: -2.81078e-08  
**H17f: -0.0480733**  
**H19f: 0.0341461**  
 H21f: 0.00737426  
 H23f: 0.000567663  
 H25f: 2.21392e-05  
 H27f: 1.24598e-06  
 H29f: -1.57119e-05  
 H31f: 0.000230223

c1sd = 0.176  
 c1ed = -1.4141  
 c2sd = -0.0075  
 c2ed = -0.1906  
 c3sd = 0.3878  
 c3ed = 0.3085  
 c4sd = 1.0307  
 c4ed = 1.0431  
 varx = 3.48075%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.49  
 Actual Amplitude: 0.49  
 Actual Power: 0.2401  
 Distortion 2H-16H: 0.00127045%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.0883 end: 21.3329 delta: 3.2446  
 P2 start: 36.4426 end: 42.6382 delta: 6.1956  
 P3 start: 55.3179 end: 63.839 delta: 8.521  
 P4 start: 74.9092 end: 84.7482 delta: 9.8389

H3: -6.71145e-07  
 H5: -4.55346e-06  
 H7: -5.06677e-06  
 H9: -5.62729e-06  
 H11: -5.49118e-06  
 H13: -5.52801e-06

H15: -4.70834e-06  
**H17: -0.809816**  
**H19: 0.635176**  
 H21: 0.159912  
 H23: 0.0141186  
 H25: 0.000620002  
 H27: 3.5433e-05  
 H29: -0.000524257  
 H31: 0.00773833

H15f: -3.13889e-07  
**H17f: -0.0476362**  
**H19f: 0.0334303**  
 H21f: 0.00761487  
 H23f: 0.00061385  
 H25f: 2.48001e-05  
 H27f: 1.31233e-06  
 H29f: -1.80778e-05  
 H31f: 0.000249624

c1sd = 0.2045  
 c1ed = -1.5322  
 c2sd = 0.0477  
 c2ed = -0.2869  
 c3sd = 0.4646  
 c3ed = 0.1923  
 c4sd = 1.1277  
 c4ed = 0.9297  
 varx = 3.41503%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.5  
 Actual Amplitude: 0.5  
 Actual Power: 0.25  
 Distortion 2H-16H: 0.00121247%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.0447 end: 21.3507 delta: 3.3059  
 P2 start: 36.3607 end: 42.6775 delta: 6.3168  
 P3 start: 55.21 end: 63.906 delta: 8.696  
 P4 start: 74.7955 end: 84.8447 delta: 10.0492

H3: -3.94633e-06  
 H5: -4.67489e-06  
 H7: -5.57257e-06  
 H9: -4.68838e-06  
 H11: -4.2499e-06  
 H13: -5.95452e-06

H15: -1.74043e-06  
**H17: -0.802265**  
**H19: 0.621372**  
 H21: 0.164952  
 H23: 0.0152436  
 H25: 0.000701099  
 H27: 4.70468e-05  
 H29: -0.000592238  
 H31: 0.00838798

H15f: -1.16029e-07  
**H17f: -0.0471921**  
**H19f: 0.0327038**  
 H21f: 0.00785486  
 H23f: 0.000662765  
 H25f: 2.8044e-05  
 H27f: 1.74247e-06  
 H29f: -2.0422e-05  
 H31f: 0.00027058

c1sd = 0.1646  
 c1ed = -1.5215  
 c2sd = -0.0271  
 c2ed = -0.2547  
 c3sd = 0.3662  
 c3ed = 0.2498  
 c4sd = 1.0249  
 c4ed = 1.0154  
 varx = 3.34865%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.51  
 Actual Amplitude: 0.51  
 Actual Power: 0.2601  
 Distortion 2H-16H: 0.000911193%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 18.0008 end: 21.3678 delta: 3.367  
 P2 start: 36.2783 end: 42.7159 delta: 6.4377  
 P3 start: 55.1013 end: 63.9724 delta: 8.871  
 P4 start: 74.6812 end: 84.9413 delta: 10.2601

H3: -2.6289e-06  
 H5: -3.69039e-06  
 H7: -4.35789e-06  
 H9: -4.48071e-06  
 H11: -3.70662e-06  
 H13: -2.97612e-06

H15: -9.12676e-07  
**H17: -0.794591**  
**H19: 0.60738**  
 H21: 0.169971  
 H23: 0.0164385  
 H25: 0.000793867  
 H27: 5.94948e-05  
 H29: -0.00066623  
 H31: 0.00907943

H15f: -6.08451e-08  
**H17f: -0.0467406**  
**H19f: 0.0319674**  
 H21f: 0.00809385  
 H23f: 0.000714718  
 H25f: 3.17547e-05  
 H27f: 2.20351e-06  
 H29f: -2.29734e-05  
 H31f: 0.000292885

c1sd = 0.1848  
 c1ed = -1.6265  
 c2sd = 0.0126  
 c2ed = -0.3384  
 c3sd = 0.4219  
 c3ed = 0.1518  
 c4sd = 1.0982  
 c4ed = 0.9242  
 varx = 3.2817%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.52  
 Actual Amplitude: 0.52  
 Actual Power: 0.2704  
 Distortion 2H-16H: 0.0006744444%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.9567 end: 21.3845 delta: 3.4278  
 P2 start: 36.1954 end: 42.7535 delta: 6.5581  
 P3 start: 54.9919 end: 64.038 delta: 9.0461  
 P4 start: 74.5661 end: 85.0378 delta: 10.4717

H3: -1.26485e-06  
 H5: -2.91888e-06  
 H7: -2.5853e-06  
 H9: -3.81077e-06  
 H11: -2.75967e-06  
 H13: -2.17794e-06

H15: -1.34269e-06  
**H17: -0.786783**  
**H19: 0.593215**  
 H21: 0.174962  
 H23: 0.0176944  
 H25: 0.00089535  
 H27: 7.53883e-05  
 H29: -0.000747733  
 H31: 0.00980793

H15f: -8.95125e-08  
**H17f: -0.0462814**  
**H19f: 0.0312218**  
 H21f: 0.00833153  
 H23f: 0.000769323  
 H25f: 3.5814e-05  
 H27f: 2.79216e-06  
 H29f: -2.57839e-05  
 H31f: 0.000316385

c1sd = 0.1935  
 c1ed = -1.7102  
 c2sd = 0.0301  
 c2ed = -0.4012  
 c3sd = 0.4477  
 c3ed = 0.0822  
 c4sd = 1.1375  
 c4ed = 0.8665  
 varx = 3.2143%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.53  
 Actual Amplitude: 0.53  
 Actual Power: 0.2809  
 Distortion 2H-16H: 0.000962902%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.9125 end: 21.4007 delta: 3.4882  
 P2 start: 36.1121 end: 42.7902 delta: 6.6781  
 P3 start: 54.8818 end: 64.1028 delta: 9.2211  
 P4 start: 74.4503 end: 85.1345 delta: 10.6842

H3: -2.33878e-06  
 H5: -4.2098e-06  
 H7: -4.72529e-06  
 H9: -4.48664e-06  
 H11: -2.23898e-06  
 H13: -4.33977e-06

H15: -1.79465e-06  
**H17: -0.778836**  
**H19: 0.57889**  
 H21: 0.179919  
 H23: 0.0190093  
 H25: 0.000999951  
 H27: 8.89372e-05  
 H29: -0.000845703  
 H31: 0.0105734

H15f: -1.19644e-07  
**H17f: -0.0458139**  
**H19f: 0.0304679**  
 H21f: 0.00856759  
 H23f: 0.00082649  
 H25f: 3.9998e-05  
 H27f: 3.29397e-06  
 H29f: -2.91622e-05  
 H31f: 0.000341078

c1sd = 0.2089  
 c1ed = -1.8072  
 c2sd = 0.0601  
 c2ed = -0.4777  
 c3sd = 0.49  
 c3ed = -0.0054  
 c4sd = 1.1957  
 c4ed = 0.7891  
 varx = 3.14653%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.54  
 Actual Amplitude: 0.54  
 Actual Power: 0.2916  
 Distortion 2H-16H: 0.000200941%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.8678 end: 21.4162 delta: 3.5483  
 P2 start: 36.0282 end: 42.8259 delta: 6.7976  
 P3 start: 54.7707 end: 64.1668 delta: 9.3961  
 P4 start: 74.3337 end: 85.2312 delta: 10.8975

H3: -3.7477e-07  
 H5: -6.18371e-07  
 H7: -9.23541e-07  
 H9: -9.99388e-07  
 H11: -1.0221e-06  
 H13: -7.78369e-07

H15: -1.12431e-07  
**H17: -0.770781**  
**H19: 0.564375**  
 H21: 0.184834  
 H23: 0.0204057  
 H25: 0.00112673  
 H27: 0.000115081  
 H29: -0.000941795  
 H31: 0.0113943

H15f: -7.49541e-09  
**H17f: -0.0453401**  
**H19f: 0.0297039**  
 H21f: 0.00880163  
 H23f: 0.000887206  
 H25f: 4.50691e-05  
 H27f: 4.26224e-06  
 H29f: -3.24757e-05  
 H31f: 0.000367558

c1sd = 0.1944  
 c1ed = -1.8493  
 c2sd = 0.0337  
 c2ed = -0.4996  
 c3sd = 0.4564  
 c3ed = -0.0189  
 c4sd = 1.1675  
 c4ed = 0.7974  
 varx = 3.07826%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.55  
 Actual Amplitude: 0.55  
 Actual Power: 0.3025  
 Distortion 2H-16H: 0.000357704%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.8233 end: 21.4313 delta: 3.608  
 P2 start: 35.944 end: 42.8607 delta: 6.9167  
 P3 start: 54.6589 end: 64.2301 delta: 9.5711  
 P4 start: 74.2163 end: 85.3279 delta: 11.1117

H3: -6.43924e-07  
 H5: -1.93177e-07  
 H7: -1.99091e-06  
 H9: -1.25718e-06  
 H11: -2.15756e-06  
 H13: -8.70358e-07

H15: -1.17746e-06  
**H17: -0.762581**  
**H19: 0.549721**  
 H21: 0.1897  
 H23: 0.0218621  
 H25: 0.00125447  
 H27: 0.000133512  
 H29: -0.00106049  
 H31: 0.0122492

H15f: -7.84974e-08  
**H17f: -0.0448577**  
**H19f: 0.0289327**  
 H21f: 0.00903334  
 H23f: 0.000950527  
 H25f: 5.01788e-05  
 H27f: 4.94489e-06  
 H29f: -3.65688e-05  
 H31f: 0.000395136

c1sd = 0.2511  
 c1ed = -2.0268  
 c2sd = 0.1421  
 c2ed = -0.6574  
 c3sd = 0.6041  
 c3ed = -0.2151  
 c4sd = 1.3462  
 c4ed = 0.598  
 varx = 3.0098%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.56  
 Actual Amplitude: 0.56  
 Actual Power: 0.3136  
 Distortion 2H-16H: 0.000717917%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.7786 end: 21.4459 delta: 3.6673  
 P2 start: 35.8592 end: 42.8945 delta: 7.0353  
 P3 start: 54.5463 end: 64.2924 delta: 9.7461  
 P4 start: 74.0979 end: 85.4247 delta: 11.3268

H3: -1.98762e-06  
 H5: -2.24963e-06  
 H7: -4.43343e-06  
 H9: -2.72545e-06  
 H11: -3.12927e-06  
 H13: -1.75133e-06

H15: -1.60817e-06  
**H17: -0.75425**  
**H19: 0.534917**  
 H21: 0.19451  
 H23: 0.0233862  
 H25: 0.00139127  
 H27: 0.00015256  
 H29: -0.00119363  
 H31: 0.0131469

H15f: -1.07211e-07  
**H17f: -0.0443677**  
**H19f: 0.0281535**  
 H21f: 0.0092624  
 H23f: 0.00101679  
 H25f: 5.56506e-05  
 H27f: 5.65037e-06  
 H29f: -4.11598e-05  
 H31f: 0.000424092

c1sd = 0.1847  
 c1ed = -1.971  
 c2sd = 0.0161  
 c2ed = -0.5824  
 c3sd = 0.4359  
 c3ed = -0.0972  
 c4sd = 1.1645  
 c4ed = 0.7582  
 varx = 2.94112%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.57  
 Actual Amplitude: 0.57  
 Actual Power: 0.3249  
 Distortion 2H-16H: 0.0005454%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.7335 end: 21.4598 delta: 3.7263  
 P2 start: 35.7739 end: 42.9272 delta: 7.1533  
 P3 start: 54.4327 end: 64.3538 delta: 9.9211  
 P4 start: 73.9787 end: 85.5215 delta: 11.5428

H3: -8.87615e-08  
 H5: -1.67759e-06  
 H7: -1.95909e-06  
 H9: -3.10665e-06  
 H11: -2.37235e-06  
 H13: -2.56043e-06

H15: -1.11839e-06  
**H17: -0.745804**  
**H19: 0.519952**  
 H21: 0.199257  
 H23: 0.0249889  
 H25: 0.00154811  
 H27: 0.000180225  
 H29: -0.00133293  
 H31: 0.0140968

H15f: -7.45596e-08  
**H17f: -0.0438708**  
**H19f: 0.0273659**  
 H21f: 0.00948844  
 H23f: 0.00108647  
 H25f: 6.19245e-05  
 H27f: 6.67501e-06  
 H29f: -4.5963e-05  
 H31f: 0.000454737

c1sd = 0.2532  
 c1ed = -2.1733  
 c2sd = 0.1469  
 c2ed = -0.7658  
 c3sd = 0.6133  
 c3ed = -0.3268  
 c4sd = 1.3774  
 c4ed = 0.5228  
 varx = 2.87219%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.58  
 Actual Amplitude: 0.58  
 Actual Power: 0.3364  
 Distortion 2H-16H: 0.000517454%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.6882 end: 21.473 delta: 3.7849  
 P2 start: 35.6881 end: 42.9589 delta: 7.2708  
 P3 start: 54.3182 end: 64.4142 delta: 10.0961  
 P4 start: 73.8585 end: 85.6185 delta: 11.7599

H3: -1.26485e-06  
 H5: -2.01504e-06  
 H7: -2.63562e-06  
 H9: -2.38431e-06  
 H11: -2.16492e-06  
 H13: -1.87211e-06

H15: -5.40832e-07  
**H17: -0.737229**  
**H19: 0.504845**  
 H21: 0.203933  
 H23: 0.0266645  
 H25: 0.00171562  
 H27: 0.000211278  
 H29: -0.00148894  
 H31: 0.0150946

H15f: -3.60555e-08  
**H17f: -0.0433664**  
**H19f: 0.0265708**  
 H21f: 0.00971107  
 H23f: 0.00115932  
 H25f: 6.86249e-05  
 H27f: 7.82513e-06  
 H29f: -5.13429e-05  
 H31f: 0.000486922

c1sd = 0.213  
 c1ed = -2.1697  
 c2sd = 0.0708  
 c2ed = -0.7438  
 c3sd = 0.5119  
 c3ed = -0.2795  
 c4sd = 1.2721  
 c4ed = 0.6048  
 varx = 2.80315%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.59  
 Actual Amplitude: 0.59  
 Actual Power: 0.3481  
 Distortion 2H-16H: 0.000397591%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.6427 end: 21.4857 delta: 3.843  
 P2 start: 35.6017 end: 42.9894 delta: 7.3878  
 P3 start: 54.2027 end: 64.4736 delta: 10.2709  
 P4 start: 73.7373 end: 85.7154 delta: 11.9781

H3: -1.6293e-06  
 H5: -1.02903e-06  
 H7: -2.00293e-06  
 H9: -2.11523e-06  
 H11: -1.52016e-06  
 H13: -1.06861e-06

H15: -3.94462e-07  
**H17: -0.728531**  
**H19: 0.489598**  
 H21: 0.208528  
 H23: 0.0284176  
 H25: 0.00190017  
 H27: 0.000247348  
 H29: -0.00165975  
 H31: 0.0161434

H15f: -2.62974e-08  
**H17f: -0.0428548**  
**H19f: 0.0257683**  
 H21f: 0.00992992  
 H23f: 0.00123555  
 H25f: 7.60069e-05  
 H27f: 9.16105e-06  
 H29f: -5.72326e-05  
 H31f: 0.000520756

c1sd = 0.2599  
 c1ed = -2.3328  
 c2sd = 0.1601  
 c2ed = -0.8891  
 c3sd = 0.6331  
 c3ed = -0.4567  
 c4sd = 1.421  
 c4ed = 0.4317  
 varx = 2.73404%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.6  
 Actual Amplitude: 0.6  
 Actual Power: 0.36  
 Distortion 2H-16H: 0.000595059%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.597      end: 21.4978      delta: 3.9007  
 P2 start: 35.5147      end: 43.0188      delta: 7.5041  
 P3 start: 54.0863      end: 64.532      delta: 10.4457  
 P4 start: 73.615      end: 85.8125      delta: 12.1974

H3: -1.72863e-06  
 H5: -1.36604e-06  
 H7: -3.45123e-06  
 H9: -2.00971e-06  
 H11: -3.17362e-06  
 H13: -1.43998e-06

H15: -1.56841e-06  
**H17: -0.719705**  
**H19: 0.474227**  
 H21: 0.213037  
 H23: 0.0302474  
 H25: 0.00209568  
 H27: 0.000284961  
 H29: -0.00185092  
 H31: 0.0172373

H15f: -1.04561e-07  
**H17f: -0.0423356**  
**H19f: 0.0249593**  
 H21f: 0.0101446  
 H23f: 0.0013151  
 H25f: 8.38272e-05  
 H27f: 1.05541e-05  
 H29f: -6.3825e-05  
 H31f: 0.000556042

c1sd = 0.2476  
 c1ed = -2.3842  
 c2sd = 0.1367  
 c2ed = -0.9231  
 c3sd = 0.6022  
 c3ed = -0.4839  
 c4sd = 1.3964  
 c4ed = 0.4311  
 varx = 2.665%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.61  
 Actual Amplitude: 0.61  
 Actual Power: 0.3721  
 Distortion 2H-16H: 5.94406e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.5509 end: 21.509 delta: 3.9581  
 P2 start: 35.4271 end: 43.0469 delta: 7.6198  
 P3 start: 53.9688 end: 64.5892 delta: 10.6204  
 P4 start: 73.4916 end: 85.9096 delta: 12.418

H3: -1.65882e-07  
 H5: -1.49294e-07  
 H7: -5.33192e-08  
 H9: -3.04117e-07  
 H11: -5.65506e-08  
 H13: -2.67963e-07

H15: -3.6494e-07  
**H17: -0.710768**  
**H19: 0.458709**  
 H21: 0.21745  
 H23: 0.0321621  
 H25: 0.00231785  
 H27: 0.000337975  
 H29: -0.00205021  
 H31: 0.0183925

H15f: -2.43293e-08  
**H17f: -0.0418099**  
**H19f: 0.0241426**  
 H21f: 0.0103548  
 H23f: 0.00139835  
 H25f: 9.27142e-05  
 H27f: 1.25176e-05  
 H29f: -7.06969e-05  
 H31f: 0.000593305

c1sd = 0.2469  
 c1ed = -2.4594  
 c2sd = 0.1355  
 c2ed = -0.9814  
 c3sd = 0.601  
 c3ed = -0.543  
 c4sd = 1.4057  
 c4ed = 0.3954  
 varx = 2.59596%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.62  
 Actual Amplitude: 0.62  
 Actual Power: 0.3844  
 Distortion 2H-16H: 8.90987e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.5047 end: 21.5197 delta: 4.0149  
 P2 start: 35.339 end: 43.0739 delta: 7.7348  
 P3 start: 53.8502 end: 64.6452 delta: 10.795  
 P4 start: 73.367 end: 86.0067 delta: 12.6397

H3: -2.04008e-07  
 H5: -3.42734e-07  
 H7: -6.99456e-08  
 H9: -4.89619e-07  
 H11: -5.78641e-07  
 H13: -2.25978e-07

H15: -6.52826e-08  
 H17: -0.701698  
 H19: 0.443084  
 H21: 0.221762  
 H23: 0.0341545  
 H25: 0.00254982  
 H27: 0.000389161  
 H29: -0.00227738  
 H31: 0.0195925

H15f: -4.35217e-09  
 H17f: -0.0412764  
 H19f: 0.0233202  
 H21f: 0.0105601  
 H23f: 0.00148498  
 H25f: 0.000101993  
 H27f: 1.44134e-05  
 H29f: -7.85302e-05  
 H31f: 0.000632017

c1sd = 0.2334  
 c1ed = -2.5109  
 c2sd = 0.1096  
 c2ed = -1.0166  
 c3sd = 0.5661  
 c3ed = -0.5707  
 c4sd = 1.3767  
 c4ed = 0.397  
 varx = 2.52718%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.63  
 Actual Amplitude: 0.63  
 Actual Power: 0.3969  
 Distortion 2H-16H: 0.000159683%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.4584 end: 21.5297 delta: 4.0713  
 P2 start: 35.2503 end: 43.0995 delta: 7.8492  
 P3 start: 53.7305 end: 64.6999 delta: 10.9694  
 P4 start: 73.2411 end: 86.104 delta: 12.8629

H3: -1.60616e-07  
 H5: -8.43233e-07  
 H7: -7.74398e-07  
 H9: -6.42463e-07  
 H11: -7.00869e-07  
 H13: -5.55978e-07

H15: 1.60616e-08  
**H17: -0.692505**  
**H19: 0.427344**  
 H21: 0.225963  
 H23: 0.0362291  
 H25: 0.0028  
 H27: 0.000446691  
 H29: -0.00252728  
 H31: 0.0208453

H15f: 1.07077e-09  
**H17f: -0.0407356**  
**H19f: 0.0224918**  
 H21f: 0.0107601  
 H23f: 0.00157518  
 H25f: 0.000112  
 H27f: 1.65441e-05  
 H29f: -8.71475e-05  
 H31f: 0.00067243

c1sd = 0.2365  
 c1ed = -2.595  
 c2sd = 0.115  
 c2ed = -1.0852  
 c3sd = 0.5732  
 c3ed = -0.6428  
 c4sd = 1.3955  
 c4ed = 0.3496  
 varx = 2.45866%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.64  
 Actual Amplitude: 0.64  
 Actual Power: 0.4096  
 Distortion 2H-16H: 0.0002271777%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.4117      end: 21.539      delta: 4.1272  
 P2 start: 35.161      end: 43.1238      delta: 7.9628  
 P3 start: 53.6097      end: 64.7533      delta: 11.1436  
 P4 start: 73.1139      end: 86.2013      delta: 13.0874

H3: -7.90531e-08  
 H5: -2.60875e-07  
 H7: -6.60658e-07  
 H9: -1.08039e-06  
 H11: -1.59544e-06  
 H13: -6.56749e-07

H15: -7.11478e-07  
**H17: -0.68319**  
**H19: 0.411493**  
 H21: 0.230043  
 H23: 0.0383896  
 H25: 0.00307104  
 H27: 0.000512677  
 H29: -0.00280013  
 H31: 0.0221524

H15f: -4.74319e-08  
**H17f: -0.0401876**  
**H19f: 0.0216575**  
 H21f: 0.0109544  
 H23f: 0.00166912  
 H25f: 0.000122842  
 H27f: 1.8988e-05  
 H29f: -9.65562e-05  
 H31f: 0.000714592

c1sd = 0.2314  
 c1ed = -2.6648  
 c2sd = 0.1047  
 c2ed = -1.1399  
 c3sd = 0.5588  
 c3ed = -0.6958  
 c4sd = 1.3898  
 c4ed = 0.3255  
 varx = 2.39049%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.65  
 Actual Amplitude: 0.65  
 Actual Power: 0.4225  
 Distortion 2H-16H: 0.000406696%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.3649 end: 21.5475 delta: 4.1826  
 P2 start: 35.071 end: 43.1467 delta: 8.0756  
 P3 start: 53.4877 end: 64.8053 delta: 11.3176  
 P4 start: 72.9853 end: 86.2988 delta: 13.3135

H3: -2.33511e-07  
 H5: -6.77181e-07  
 H7: -1.63458e-06  
 H9: -2.76321e-06  
 H11: -1.69826e-06  
 H13: -1.59865e-06

H15: -5.29291e-07  
**H17: -0.673751**  
**H19: 0.39554**  
 H21: 0.233997  
 H23: 0.0406356  
 H25: 0.00336174  
 H27: 0.000585684  
 H29: -0.00310017  
 H31: 0.0235122

H15f: -3.52861e-08  
**H17f: -0.0396324**  
**H19f: 0.0208179**  
 H21f: 0.0111427  
 H23f: 0.00176676  
 H25f: 0.00013447  
 H27f: 2.1692e-05  
 H29f: -0.000106902  
 H31f: 0.000758459

c1sd = 0.2309  
 c1ed = -2.7442  
 c2sd = 0.1028  
 c2ed = -1.2051  
 c3sd = 0.5553  
 c3ed = -0.7623  
 c4sd = 1.3965  
 c4ed = 0.2876  
 varx = 2.32279%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.66  
 Actual Amplitude: 0.66  
 Actual Power: 0.4356  
 Distortion 2H-16H: 0.000100608%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.3176 end: 21.5552 delta: 4.2376  
 P2 start: 34.9803 end: 43.168 delta: 8.1877  
 P3 start: 53.3643 end: 64.8558 delta: 11.4914  
 P4 start: 72.8552 end: 86.3963 delta: 13.5411

H3: -3.83288e-08  
 H5: -5.51934e-07  
 H7: -3.44959e-07  
 H9: -3.19407e-07  
 H11: -5.64478e-07  
 H13: -3.71494e-07

H15: -1.68647e-07  
**H17: -0.664198**  
**H19: 0.379476**  
 H21: 0.23781  
 H23: 0.0429729  
 H25: 0.0036797  
 H27: 0.000676733  
 H29: -0.00341827  
 H31: 0.0249319

H15f: -1.12431e-08  
**H17f: -0.0390705**  
**H19f: 0.0199724**  
 H21f: 0.0113243  
 H23f: 0.00186839  
 H25f: 0.000147188  
 H27f: 2.50642e-05  
 H29f: -0.000117872  
 H31f: 0.000804254

c1sd = 0.2703  
 c1ed = -2.9015  
 c2sd = 0.1771  
 c2ed = -1.3487  
 c3sd = 0.6541  
 c3ed = -0.934  
 c4sd = 1.5199  
 c4ed = 0.1316  
 varx = 2.25557%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.67  
 Actual Amplitude: 0.67  
 Actual Power: 0.4489  
 Distortion 2H-16H: 0.000481836%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.2703 end: 21.5623 delta: 4.2919  
 P2 start: 34.889 end: 43.1879 delta: 8.2989  
 P3 start: 53.2397 end: 64.9046 delta: 11.6649  
 P4 start: 72.7234 end: 86.4939 delta: 13.7705

H3: -1.51027e-06  
 H5: -1.1327e-06  
 H7: -2.47576e-06  
 H9: -2.45419e-06  
 H11: -2.32719e-06  
 H13: -7.66752e-07

H15: -1.22332e-06  
**H17: -0.654512**  
**H19: 0.363333**  
 H21: 0.241481  
 H23: 0.0453967  
 H25: 0.00401432  
 H27: 0.000768106  
 H29: -0.00377654  
 H31: 0.0263983

H15f: -8.15545e-08  
**H17f: -0.0385007**  
**H19f: 0.0191228**  
 H21f: 0.0114991  
 H23f: 0.00197377  
 H25f: 0.000160573  
 H27f: 2.84484e-05  
 H29f: -0.000130226  
 H31f: 0.000851558

c1sd = 0.2522  
 c1ed = -2.9499  
 c2sd = 0.1412  
 c2ed = -1.3843  
 c3sd = 0.6042  
 c3ed = -0.9599  
 c4sd = 1.4734  
 c4ed = 0.144  
 varx = 2.18909%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.68  
 Actual Amplitude: 0.68  
 Actual Power: 0.4624  
 Distortion 2H-16H: 0.000360791%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.2226 end: 21.5684 delta: 4.3458  
 P2 start: 34.797 end: 43.2061 delta: 8.4092  
 P3 start: 53.1136 end: 64.9517 delta: 11.8381  
 P4 start: 72.59 end: 86.5917 delta: 14.0017

H3: -7.44029e-07  
 H5: -1.04908e-06  
 H7: -1.4668e-06  
 H9: -2.03368e-06  
 H11: -1.22765e-06  
 H13: -1.82001e-06

H15: -5.0594e-07  
**H17: -0.644712**  
**H19: 0.347091**  
 H21: 0.244995  
 H23: 0.0479146  
 H25: 0.00437922  
 H27: 0.000880637  
 H29: -0.00415895  
 H31: 0.0279247

H15f: -3.37293e-08  
**H17f: -0.0379242**  
**H19f: 0.0182679**  
 H21f: 0.0116664  
 H23f: 0.00208324  
 H25f: 0.000175169  
 H27f: 3.26162e-05  
 H29f: -0.000143412  
 H31f: 0.000900797

c1sd = 0.1834  
 c1ed = -2.9039  
 c2sd = 0.0092  
 c2ed = -1.3261  
 c3sd = 0.4244  
 c3ed = -0.859  
 c4sd = 1.2786  
 c4ed = 0.303  
 varx = 2.12333%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.69  
 Actual Amplitude: 0.689999  
 Actual Power: 0.476099  
 Distortion 2H-16H: 0.000447097%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.1746 end: 21.5737 delta: 4.3991  
 P2 start: 34.7042 end: 43.2227 delta: 8.5185  
 P3 start: 52.9862 end: 64.997 delta: 12.0108  
 P4 start: 72.4547 end: 86.6895 delta: 14.2348

H3: -3.66624e-08  
 H5: -2.19974e-07  
 H7: -1.94834e-06  
 H9: -2.04087e-06  
 H11: -2.33973e-06  
 H13: -2.19974e-06

H15: -1.29052e-06  
**H17: -0.634787**  
**H19: 0.33077**  
 H21: 0.248344  
 H23: 0.0505265  
 H25: 0.00476871  
 H27: 0.00100344  
 H29: -0.00457742  
 H31: 0.0295017

H15f: -8.60343e-08  
**H17f: -0.0373404**  
**H19f: 0.0174089**  
 H21f: 0.0118259  
 H23f: 0.0021968  
 H25f: 0.000190748  
 H27f: 3.71643e-05  
 H29f: -0.000157842  
 H31f: 0.000951669

c1sd = 0.2022  
 c1ed = -3.0256  
 c2sd = 0.0435  
 c2ed = -1.4366  
 c3sd = 0.468  
 c3ed = -0.9849  
 c4sd = 1.3386  
 c4ed = 0.2056  
 varx = 2.0585%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.7  
 Actual Amplitude: 0.7  
 Actual Power: 0.49  
 Distortion 2H-16H: 6.79594e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.1262 end: 21.578 delta: 4.4518  
 P2 start: 34.6105 end: 43.2374 delta: 8.6269  
 P3 start: 52.8571 end: 65.0403 delta: 12.1832  
 P4 start: 72.3174 end: 86.7875 delta: 14.47

H3: 3.61386e-08  
 H5: -1.95148e-07  
 H7: -2.47807e-07  
 H9: -2.16831e-07  
 H11: -3.44959e-07  
 H13: -3.66945e-07

H15: -2.45742e-07  
**H17: -0.624743**  
**H19: 0.314358**  
 H21: 0.251515  
 H23: 0.0532353  
 H25: 0.00519005  
 H27: 0.00114924  
 H29: -0.00502333  
 H31: 0.0311378

H15f: -1.63828e-08  
**H17f: -0.0367496**  
**H19f: 0.0165452**  
 H21f: 0.0119769  
 H23f: 0.00231458  
 H25f: 0.000207602  
 H27f: 4.25644e-05  
 H29f: -0.000173218  
 H31f: 0.00100445

c1sd = 0.1921  
 c1ed = -3.0943  
 c2sd = 0.0228  
 c2ed = -1.4948  
 c3sd = 0.4371  
 c3ed = -1.0398  
 c4sd = 1.3134  
 c4ed = 0.1914  
 varx = 1.99465%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.71  
 Actual Amplitude: 0.71  
 Actual Power: 0.5041  
 Distortion 2H-16H: 0.000130997%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 17.0776 end: 21.5815 delta: 4.5039  
 P2 start: 34.5162 end: 43.2504 delta: 8.7342  
 P3 start: 52.7265 end: 65.0814 delta: 12.355  
 P4 start: 72.1781 end: 86.8855 delta: 14.7075

H3: -1.42518e-07  
 H5: -1.71022e-07  
 H7: -7.94031e-07  
 H9: -6.29456e-07  
 H11: -5.34444e-07  
 H13: -2.46666e-07

H15: -5.4157e-07  
**H17: -0.61457**  
**H19: 0.297884**  
 H21: 0.254505  
 H23: 0.0560392  
 H25: 0.00563626  
 H27: 0.00130633  
 H29: -0.00551538  
 H31: 0.0328192

H15f: -3.61046e-08  
**H17f: -0.0361512**  
**H19f: 0.0156781**  
 H21f: 0.0121193  
 H23f: 0.00243649  
 H25f: 0.000225451  
 H27f: 4.83828e-05  
 H29f: -0.000190186  
 H31f: 0.00105869

c1sd = 0.1357  
 c1ed = -3.0759  
 c2sd = -0.0865  
 c2ed = -1.467  
 c3sd = 0.2865  
 c3ed = -0.9786  
 c4sd = 1.1512  
 c4ed = 0.3124  
 varx = 1.93202%.

# STEP-LOCKED MAGIC SINEWAVE

## AEXC16 - 72/100

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.72
Actual Amplitude:	0.72
Actual Power:	0.5184
Distortion 2H-16H:	0.000455527%
First strong harmonics:	17 and 19
Pulses per sine cycle:	16
Total switching events:	32
Delta Friendly:	No

P1 start: 17.0288	end: 21.5842	delta: 4.5554
P2 start: 34.421	end: 43.2614	delta: 8.8404
P3 start: 52.5942	end: 65.1203	delta: 12.5262
P4 start: 72.0364	end: 86.9838	delta: 14.9473

H3: -8.08098e-07  
H5: -1.13836e-06  
H7: -2.28878e-06  
H9: -2.51799e-06  
H11: -2.08892e-06  
H13: -1.65403e-06

H15: -3.51347e-07  
H17: -0.604266  
H19: 0.281348  
H21: 0.257301  
H23: 0.0589412  
H25: 0.00610962  
H27: 0.00147978  
H29: -0.00605166  
H31: 0.0345468

H15f: -2.34231e-08  
H17f: -0.0355451  
H19f: 0.0148078  
H21f: 0.0122524  
H23f: 0.00256266  
H25f: 0.000244385  
H27f: 5.48068e-05  
H29f: -0.000208678  
H31f: 0.00111441

c1sd = 0.2022  
c1ed = -3.2925  
c2sd = 0.0376  
c2ed = -1.6753  
c3sd = 0.4494  
c3ed = -1.2349  
c4sd = 1.3466  
c4ed = 0.0736  
varx = 1.87077%.

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**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.73  
 Actual Amplitude: 0.73  
 Actual Power: 0.5329  
 Distortion 2H-16H: 0.00023608%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.9794 end: 21.5857 delta: 4.6063  
 P2 start: 34.3248 end: 43.2703 delta: 8.9454  
 P3 start: 52.4601 end: 65.1567 delta: 12.6967  
 P4 start: 71.8924 end: 87.0821 delta: 15.1897

H3: 1.73267e-07  
 H5: -8.31682e-07  
 H7: -5.64356e-07  
 H9: -1.37459e-06  
 H11: -1.30423e-06  
 H13: -8.6367e-07

H15: -4.43564e-07  
**H17: -0.593845**  
**H19: 0.264736**  
 H21: 0.259886  
 H23: 0.0619483  
 H25: 0.00662129  
 H27: 0.00168338  
 H29: -0.00662204  
 H31: 0.0363269

H15f: -2.95709e-08  
**H17f: -0.0349321**  
**H19f: 0.0139335**  
 H21f: 0.0123755  
 H23f: 0.0026934  
 H25f: 0.000264852  
 H27f: 6.23474e-05  
 H29f: -0.000228346  
 H31f: 0.00117183

c1sd = 0.2046  
 c1ed = -3.3896  
 c2sd = 0.0401  
 c2ed = -1.765  
 c3sd = 0.4481  
 c3ed = -1.3313  
 c4sd = 1.3541  
 c4ed = 0.0204  
 varx = 1.81096%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.74  
 Actual Amplitude: 0.74  
 Actual Power: 0.5476  
 Distortion 2H-16H: 6.09093e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.9297 end: 21.5862 delta: 4.6564  
 P2 start: 34.2278 end: 43.277 delta: 9.0492  
 P3 start: 52.3241 end: 65.1905 delta: 12.8664  
 P4 start: 71.7457 end: 87.1806 delta: 15.4349

H3: 3.41851e-08  
 H5: -2.05111e-07  
 H7: -1.46508e-07  
 H9: -1.93716e-07  
 H11: -4.47514e-07  
 H13: 3.15555e-08

H15: -2.59807e-07  
**H17: -0.583294**  
**H19: 0.248067**  
 H21: 0.262254  
 H23: 0.0650575  
 H25: 0.00716617  
 H27: 0.00191161  
 H29: -0.00724001  
 H31: 0.0381502

H15f: -1.73205e-08  
**H17f: -0.0343114**  
**H19f: 0.0130561**  
 H21f: 0.0124883  
 H23f: 0.00282859  
 H25f: 0.000286647  
 H27f: 7.08004e-05  
 H29f: -0.000249656  
 H31f: 0.00123065

c1sd = 0.142  
 c1ed = -3.3644  
 c2sd = -0.0816  
 c2ed = -1.7335  
 c3sd = 0.2789  
 c3ed = -1.2643  
 c4sd = 1.1695  
 c4ed = 0.1568  
 varx = 1.75285%.

# STEP-LOCKED MAGIC SINEWAVE

## AEXC16 - 75/100

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.75
Actual Amplitude:	0.75
Actual Power:	0.5625
Distortion 2H-16H:	0.000218877%
First strong harmonics:	17 and 19
Pulses per sine cycle:	16
Total switching events:	32
Delta Friendly:	No

P1 start: 16.8798	end: 21.5857	delta: 4.7059
P2 start: 34.1299	end: 43.2815	delta: 9.1516
P3 start: 52.1862	end: 65.2214	delta: 13.0352
P4 start: 71.5962	end: 87.2792	delta: 15.683

H3: -5.0594e-07  
H5: -6.47603e-07  
H7: -8.67326e-07  
H9: -1.36042e-06  
H11: -6.07128e-07  
H13: -1.02745e-06

H15: 2.96818e-07  
H17: -0.572607  
H19: 0.23135  
H21: 0.264395  
H23: 0.0682709  
H25: 0.00774197  
H27: 0.00216329  
H29: -0.00791163  
H31: 0.0400089

H15f: 1.97879e-08  
H17f: -0.0336827  
H19f: 0.0121763  
H21f: 0.0125902  
H23f: 0.0029683  
H25f: 0.000309679  
H27f: 8.01219e-05  
H29f: -0.000272815  
H31f: 0.00129061

c1sd = 0.1198  
c1ed = -3.4177  
c2sd = -0.1268  
c2ed = -1.7818  
c3sd = 0.212  
c3ed = -1.3045  
c4sd = 1.1011  
c4ed = 0.1743  
varx = 1.69666%.

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**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.76  
 Actual Amplitude: 0.76  
 Actual Power: 0.5776  
 Distortion 2H-16H: 0.000130066%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.8294 end: 21.584 delta: 4.7546  
 P2 start: 34.0309 end: 43.2836 delta: 9.2527  
 P3 start: 52.0461 end: 65.2491 delta: 13.203  
 P4 start: 71.4436 end: 87.378 delta: 15.9344

H3: -9.98566e-08  
 H5: -6.98996e-07  
 H7: -5.13548e-07  
 H9: -8.32138e-07  
 H11: -2.17869e-07  
 H13: -3.99426e-07

H15: -1.73085e-07  
**H17: -0.561789**  
**H19: 0.21458**  
 H21: 0.266291  
 H23: 0.0715948  
 H25: 0.00835691  
 H27: 0.00244875  
 H29: -0.00863024  
 H31: 0.0419025

H15f: -1.1539e-08  
**H17f: -0.0330464**  
**H19f: 0.0112937**  
 H21f: 0.0126805  
 H23f: 0.00311282  
 H25f: 0.000334277  
 H27f: 9.06946e-05  
 H29f: -0.000297594  
 H31f: 0.00135169

c1sd = 0.0953  
 c1ed = -3.4687  
 c2sd = -0.1764  
 c2ed = -1.8292  
 c3sd = 0.1385  
 c3ed = -1.3433  
 c4sd = 1.0244  
 c4ed = 0.1972  
 varx = 1.64254%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.77  
 Actual Amplitude: 0.77  
 Actual Power: 0.5929  
 Distortion 2H-16H: 4.59217e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.7786 end: 21.5811 delta: 4.8026  
 P2 start: 33.9308 end: 43.283 delta: 9.3522  
 P3 start: 51.9039 end: 65.2734 delta: 13.3695  
 P4 start: 71.2877 end: 87.477 delta: 16.1893

H3: -1.97119e-07  
 H5: -1.77408e-07  
 H7: -1.97119e-07  
 H9: -1.86168e-07  
 H11: -1.0752e-07  
 H13: -1.06141e-07

H15: -2.10261e-07  
**H17: -0.550835**  
**H19: 0.197762**  
 H21: 0.267931  
 H23: 0.0750303  
 H25: 0.00901023  
 H27: 0.00276928  
 H29: -0.00940305  
 H31: 0.0438245

H15f: -1.40174e-08  
**H17f: -0.0324021**  
**H19f: 0.0104085**  
 H21f: 0.0127586  
 H23f: 0.00326219  
 H25f: 0.000360409  
 H27f: 0.000102566  
 H29f: -0.000324243  
 H31f: 0.00141369

c1sd = 0.1089  
 c1ed = -3.5941  
 c2sd = -0.1539  
 c2ed = -1.9522  
 c3sd = 0.1611  
 c3ed = -1.4839  
 c4sd = 1.0567  
 c4ed = 0.1079  
 varx = 1.59075%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.78  
 Actual Amplitude: 0.78  
 Actual Power: 0.6084  
 Distortion 2H-16H: 4.02391e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.7273 end: 21.5771 delta: 4.8498  
 P2 start: 33.8297 end: 43.2798 delta: 9.4501  
 P3 start: 51.7592 end: 65.2939 delta: 13.5347  
 P4 start: 71.128 end: 87.5762 delta: 16.4481

H3: -6.48641e-08  
 H5: -9.72962e-08  
 H7: -2.77989e-07  
 H9: 0.0  
 H11: -5.30706e-08  
 H13: -2.09561e-07

H15: -1.55674e-07  
**H17: -0.539739**  
**H19: 0.180904**  
 H21: 0.269301  
 H23: 0.07858  
 H25: 0.00970159  
 H27: 0.00312749  
 H29: -0.0102336  
 H31: 0.0457642

H15f: -1.03783e-08  
**H17f: -0.0317493**  
**H19f: 0.00952128**  
 H21f: 0.0128239  
 H23f: 0.00341652  
 H25f: 0.000388064  
 H27f: 0.000115833  
 H29f: -0.000352882  
 H31f: 0.00147626

c1sd = 0.126  
 c1ed = -3.7281  
 c2sd = -0.1251  
 c2ed = -2.0854  
 c3sd = 0.1916  
 c3ed = -1.6384  
 c4sd = 1.0969  
 c4ed = 0.0073  
 varx = 1.54152%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.79  
 Actual Amplitude: 0.79  
 Actual Power: 0.624101  
 Distortion 2H-16H: 8.51773e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.6756 end: 21.5717 delta: 4.8961  
 P2 start: 33.7273 end: 43.2737 delta: 9.5464  
 P3 start: 51.6121 end: 65.3104 delta: 13.6983  
 P4 start: 70.9644 end: 87.6755 delta: 16.7111

H3: -1.28086e-07  
 H5: -4.03471e-07  
 H7: 5.4894e-08  
 H9: -2.98867e-07  
 H11: -6.28786e-07  
 H13: -7.38958e-08

H15: -2.30555e-07  
**H17: -0.528497**  
**H19: 0.164008**  
 H21: 0.270386  
 H23: 0.0822494  
 H25: 0.0104334  
 H27: 0.00352688  
 H29: -0.0111221  
 H31: 0.0477134

H15f: -1.53703e-08  
**H17f: -0.031088**  
**H19f: 0.008632**  
 H21f: 0.0128755  
 H23f: 0.00357606  
 H25f: 0.000417334  
 H27f: 0.000130625  
 H29f: -0.00038352  
 H31f: 0.00153914

c1sd = 0.0698  
 c1ed = -3.725  
 c2sd = -0.2359  
 c2ed = -2.0831  
 c3sd = 0.0331  
 c3ed = -1.6106  
 c4sd = 0.9203  
 c4ed = 0.1196  
 varx = 1.49512%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.8  
 Actual Amplitude: 0.8  
 Actual Power: 0.64  
 Distortion 2H-16H: 3.16673e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.6234 end: 21.565 delta: 4.9416  
 P2 start: 33.6237 end: 43.2645 delta: 9.6408  
 P3 start: 51.4623 end: 65.3223 delta: 13.86  
 P4 start: 70.7964 end: 87.775 delta: 16.9786

H3: -9.48637e-08  
 H5: 1.89727e-08  
 H7: -1.08416e-07  
 H9: -2.4243e-07  
 H11: -1.12112e-07  
 H13: -8.75665e-08

H15: 1.26485e-08  
**H17: -0.517105**  
**H19: 0.147075**  
 H21: 0.27117  
 H23: 0.0860402  
 H25: 0.0112079  
 H27: 0.00397618  
 H29: -0.0120722  
 H31: 0.0496616

H15f: 8.43233e-10  
**H17f: -0.0304179**  
**H19f: 0.0077408**  
 H21f: 0.0129129  
 H23f: 0.00374088  
 H25f: 0.000448314  
 H27f: 0.000147266  
 H29f: -0.000416283  
 H31f: 0.00160199

c1sd = 0.0484  
 c1ed = -3.7903  
 c2sd = -0.2809  
 c2ed = -2.1508  
 c3sd = -0.0379  
 c3ed = -1.6775  
 c4sd = 0.8423  
 c4ed = 0.1291  
 varx = 1.45179%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.81  
 Actual Amplitude: 0.81  
 Actual Power: 0.6561  
 Distortion 2H-16H: 4.04671e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.5707 end: 21.5568 delta: 4.9861  
 P2 start: 33.5188 end: 43.252 delta: 9.7333  
 P3 start: 51.3096 end: 65.3293 delta: 14.0197  
 P4 start: 70.6235 end: 87.8748 delta: 17.2513

H3: -9.36926e-08  
 H5: 1.87385e-07  
 H7: -2.40924e-07  
 H9: 1.24923e-07  
 H11: -1.0221e-07  
 H13: -1.15314e-07

H15: -1.49908e-07  
**H17: -0.505555**  
**H19: 0.130109**  
 H21: 0.271634  
 H23: 0.0899587  
 H25: 0.0120258  
 H27: 0.00447757  
 H29: -0.0130836  
 H31: 0.0515934

H15f: -9.99388e-09  
**H17f: -0.0297385**  
**H19f: 0.00684783**  
 H21f: 0.0129349  
 H23f: 0.00391125  
 H25f: 0.000481033  
 H27f: 0.000165836  
 H29f: -0.000451159  
 H31f: 0.0016643

c1sd = 0.0205  
 c1ed = -3.8457  
 c2sd = -0.3387  
 c2ed = -2.2105  
 c3sd = -0.127  
 c3ed = -1.7341  
 c4sd = 0.742  
 c4ed = 0.1563  
 varx = 1.41181%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.82  
 Actual Amplitude: 0.82  
 Actual Power: 0.6724  
 Distortion 2H-16H: 0.000177406%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.5175 end: 21.5472 delta: 5.0297  
 P2 start: 33.4124 end: 43.236 delta: 9.8236  
 P3 start: 51.1538 end: 65.3307 delta: 14.1769  
 P4 start: 70.4453 end: 87.9748 delta: 17.5295

H3: -5.553e-07  
 H5: -7.9593e-07  
 H7: -7.404e-07  
 H9: -8.9465e-07  
 H11: -7.15159e-07  
 H13: -2.99008e-07

H15: -5.0594e-07  
**H17: -0.493838**  
**H19: 0.113115**  
 H21: 0.271758  
 H23: 0.0940105  
 H25: 0.012886  
 H27: 0.00503415  
 H29: -0.0141592  
 H31: 0.0534901

H15f: -3.37293e-08  
**H17f: -0.0290493**  
**H19f: 0.00595344**  
 H21f: 0.0129409  
 H23f: 0.00408741  
 H25f: 0.000515442  
 H27f: 0.00018645  
 H29f: -0.000488248  
 H31f: 0.00172549

c1sd = 0.0418  
 c1ed = -3.9972  
 c2sd = -0.3032  
 c2ed = -2.3683  
 c3sd = -0.0919  
 c3ed = -1.9236  
 c4sd = 0.7817  
 c4ed = 0.0384  
 varx = 1.37547%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.83  
 Actual Amplitude: 0.83  
 Actual Power: 0.6889  
 Distortion 2H-16H: 5.84773e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.4635 end: 21.5358 delta: 5.0723  
 P2 start: 33.3045 end: 43.2162 delta: 9.9117  
 P3 start: 50.9947 end: 65.3259 delta: 14.3312  
 P4 start: 70.2611 end: 88.075 delta: 17.8139

H3: -3.04783e-07  
 H5: -1.09722e-07  
 H7: -1.8287e-07  
 H9: -2.94624e-07  
 H11: -3.07554e-07  
 H13: -2.81338e-08

H15: -1.46296e-07  
**H17: -0.481951**  
**H19: 0.0960842**  
 H21: 0.271519  
 H23: 0.0982035  
 H25: 0.0137956  
 H27: 0.00566009  
 H29: -0.0152941  
 H31: 0.0553378

H15f: -9.75306e-09  
**H17f: -0.0283501**  
**H19f: 0.00505706**  
 H21f: 0.0129295  
 H23f: 0.00426972  
 H25f: 0.000551825  
 H27f: 0.000209633  
 H29f: -0.000527383  
 H31f: 0.00178509

c1sd = 0.0103  
 c1ed = -4.0512  
 c2sd = -0.3686  
 c2ed = -2.4308  
 c3sd = -0.1936  
 c3ed = -1.9858  
 c4sd = 0.6631  
 c4ed = 0.0731  
 varx = 1.34301%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.84  
 Actual Amplitude: 0.84  
 Actual Power: 0.7056  
 Distortion 2H-16H: 9.28781e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.409 end: 21.5227 delta: 5.1137  
 P2 start: 33.1949 end: 43.1922 delta: 9.9974  
 P3 start: 50.8319 end: 65.3143 delta: 14.4823  
 P4 start: 70.0703 end: 88.1755 delta: 18.1052

H3: -3.61386e-07  
 H5: -2.16831e-07  
 H7: -2.32319e-07  
 H9: -5.82233e-07  
 H11: -4.76372e-07  
 H13: -2.36291e-07

H15: -9.63695e-08  
 H17: -0.469878  
 H19: 0.0790262  
 H21: 0.270895  
 H23: 0.102545  
 H25: 0.0147508  
 H27: 0.00635407  
 H29: -0.0164909  
 H31: 0.0571057

H15f: -6.42464e-09  
 H17f: -0.0276399  
 H19f: 0.00415927  
 H21f: 0.0128997  
 H23f: 0.00445847  
 H25f: 0.000590033  
 H27f: 0.000235336  
 H29f: -0.00056865  
 H31f: 0.00184212

c1sd = 0.0219  
 c1ed = -4.1902  
 c2sd = -0.3523  
 c2ed = -2.5807  
 c3sd = -0.1868  
 c3ed = -2.167  
 c4sd = 0.6657  
 c4ed = -0.02  
 varx = 1.31471%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.85  
 Actual Amplitude: 0.85  
 Actual Power: 0.722499  
 Distortion 2H-16H: 2.32906e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.3537 end: 21.5077 delta: 5.154  
 P2 start: 33.0834 end: 43.1638 delta: 10.0804  
 P3 start: 50.6653 end: 65.2948 delta: 14.6295  
 P4 start: 69.872 end: 88.2763 delta: 18.4043

H3: -2.97612e-08  
 H5: 0.0  
 H7: -1.02038e-07  
 H9: -3.96816e-08  
 H11: 9.74003e-08  
 H13: -1.78567e-07

H15: 0.0  
**H17: -0.457608**  
**H19: 0.0619365**  
 H21: 0.269855  
 H23: 0.107043  
 H25: 0.0157552  
 H27: 0.00712723  
 H29: -0.0177432  
 H31: 0.0587679

H15f: 0.0  
**H17f: -0.0269181**  
**H19f: 0.00325982**  
 H21f: 0.0128502  
 H23f: 0.00465405  
 H25f: 0.000630207  
 H27f: 0.000263972  
 H29f: -0.000611834  
 H31f: 0.00189574

c1sd = -0.0409  
 c1ed = -4.1909  
 c2sd = -0.478  
 c2ed = -2.5948  
 c3sd = -0.3727  
 c3ed = -2.1672  
 c4sd = 0.4454  
 c4ed = 0.1028  
 varx = 1.29081%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.86  
 Actual Amplitude: 0.86  
 Actual Power: 0.7396  
 Distortion 2H-16H: 4.32191e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.2976 end: 21.4907 delta: 5.1931  
 P2 start: 32.97 end: 43.1305 delta: 10.1605  
 P3 start: 50.4944 end: 65.2667 delta: 14.7723  
 P4 start: 69.6653 end: 88.3773 delta: 18.7121

H3: -2.05906e-07  
 H5: -1.05894e-07  
 H7: -1.76491e-07  
 H9: -8.82453e-08  
 H11: -2.48691e-07  
 H13: -1.76491e-07

H15: 3.52981e-08  
 H17: -0.445124  
 H19: 0.0448145  
 H21: 0.26837  
 H23: 0.111712  
 H25: 0.0168083  
 H27: 0.00798261  
 H29: -0.019046  
 H31: 0.0602864

H15f: 2.35321e-09  
 H17f: -0.0261838  
 H19f: 0.00235866  
 H21f: 0.0127795  
 H23f: 0.00485705  
 H25f: 0.000672331  
 H27f: 0.000295652  
 H29f: -0.000656758  
 H31f: 0.00194472

c1sd = -0.0685  
 c1ed = -4.2622  
 c2sd = -0.5371  
 c2ed = -2.6823  
 c3sd = -0.4705  
 c3ed = -2.2684  
 c4sd = 0.3222  
 c4ed = 0.1204  
 varx = 1.27153%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.87  
 Actual Amplitude: 0.87  
 Actual Power: 0.7569  
 Distortion 2H-16H: 3.6458e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.2406 end: 21.4715 delta: 5.2308  
 P2 start: 32.8545 end: 43.092 delta: 10.2375  
 P3 start: 50.3188 end: 65.2285 delta: 14.9098  
 P4 start: 69.449 end: 88.4787 delta: 19.0297

H3: -1.74462e-07  
 H5: 3.48924e-08  
 H7: 2.49232e-08  
 H9: -1.55077e-07  
 H11: -1.74462e-07  
 H13: -1.07361e-07

H15: -1.86093e-07  
**H17: -0.432409**  
**H19: 0.0276574**  
 H21: 0.2664  
 H23: 0.116565  
 H25: 0.0179131  
 H27: 0.00892925  
 H29: -0.0203882  
 H31: 0.0616196

H15f: -1.24062e-08  
**H17f: -0.0254358**  
**H19f: 0.00145565**  
 H21f: 0.0126857  
 H23f: 0.00506805  
 H25f: 0.000716524  
 H27f: 0.000330713  
 H29f: -0.000703043  
 H31f: 0.00198773

c1sd = -0.08  
 c1ed = -4.3678  
 c2sd = -0.5662  
 c2ed = -2.8074  
 c3sd = -0.5297  
 c3ed = -2.423  
 c4sd = 0.2388  
 c4ed = 0.0889  
 varx = 1.25704%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.88  
 Actual Amplitude: 0.88  
 Actual Power: 0.7744  
 Distortion 2H-16H: 8.96823e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.1827 end: 21.4498 delta: 5.2671  
 P2 start: 32.7365 end: 43.0475 delta: 10.311  
 P3 start: 50.138 end: 65.179 delta: 15.041  
 P4 start: 69.2219 end: 88.5805 delta: 19.3585

H3: -5.74932e-08  
 H5: -1.20736e-07  
 H7: -3.44959e-07  
 H9: -4.31199e-07  
 H11: -4.07679e-07  
 H13: -5.57242e-07

H15: -6.89918e-08  
 H17: -0.41944  
 H19: 0.010461  
 H21: 0.263904  
 H23: 0.12162  
 H25: 0.0190709  
 H27: 0.00997193  
 H29: -0.021757  
 H31: 0.0627145

H15f: -4.59945e-09  
 H17f: -0.024673  
 H19f: 0.000550581  
 H21f: 0.0125668  
 H23f: 0.00528782  
 H25f: 0.000762837  
 H27f: 0.000369331  
 H29f: -0.000750243  
 H31f: 0.00202305

c1sd = -0.1033  
 c1ed = -4.4553  
 c2sd = -0.6184  
 c2ed = -2.9176  
 c3sd = -0.6219  
 c3ed = -2.5611  
 c4sd = 0.1128  
 c4ed = 0.0895  
 varx = 1.24749%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.89  
 Actual Amplitude: 0.89  
 Actual Power: 0.7921  
 Distortion 2H-16H: 6.21692e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.1237 end: 21.4255 delta: 5.3018  
 P2 start: 32.6159 end: 42.9966 delta: 10.3807  
 P3 start: 49.9514 end: 65.1164 delta: 15.165  
 P4 start: 68.9824 end: 88.6826 delta: 19.7002

H3: -5.68472e-08  
 H5: -5.11625e-08  
 H7: -3.65446e-07  
 H9: -2.55812e-07  
 H11: -2.79068e-07  
 H13: -3.14846e-07

H15: -6.82166e-08  
 H17: -0.406191  
 H19: -0.00678331  
 H21: 0.260825  
 H23: 0.126898  
 H25: 0.0202862  
 H27: 0.0111163  
 H29: -0.0231277  
 H31: 0.0635094

H15f: -4.54777e-09  
 H17f: -0.0238936  
 H19f: -0.000357016  
 H21f: 0.0124203  
 H23f: 0.00551732  
 H25f: 0.00081145  
 H27f: 0.000411714  
 H29f: -0.000797507  
 H31f: 0.00204869

c1sd = -0.1017  
 c1ed = -4.5951  
 c2sd = -0.6235  
 c2ed = -3.084  
 c3sd = -0.653  
 c3ed = -2.7793  
 c4sd = 0.0508  
 c4ed = 0.0142  
 varx = 1.24295%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.9  
 Actual Amplitude: 0.9  
 Actual Power: 0.81  
 Distortion 2H-16H: 4.72439e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.0634 end: 21.3982 delta: 5.3348  
 P2 start: 32.4922 end: 42.9384 delta: 10.4462  
 P3 start: 49.7584 end: 65.0385 delta: 15.2801  
 P4 start: 68.7283 end: 88.7851 delta: 20.0568

H3: -1.12431e-07  
 H5: -2.69835e-07  
 H7: -2.16831e-07  
 H9: -2.34231e-07  
 H11: 7.66576e-08  
 H13: -1.68647e-07

H15: -3.93509e-08  
**H17: -0.392627**  
**H19: -0.0240827**  
 H21: 0.257101  
 H23: 0.132427  
 H25: 0.0215635  
 H27: 0.0123634  
 H29: -0.0244709  
 H31: 0.0639269

H15f: -2.62339e-09  
**H17f: -0.0230957**  
**H19f: -0.00126751**  
 H21f: 0.0122429  
 H23f: 0.00575771  
 H25f: 0.000862542  
 H27f: 0.000457902  
 H29f: -0.000843824  
 H31f: 0.00206216

c1sd = -0.1425  
 c1ed = -4.6594  
 c2sd = -0.7102  
 c2ed = -3.1792  
 c3sd = -0.7962  
 c3ed = -2.9069  
 c4sd = -0.1464  
 c4ed = 0.0598  
 varx = 1.24346%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.91  
 Actual Amplitude: 0.91  
 Actual Power: 0.8281  
 Distortion 2H-16H: 0.000225329%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 16.0018 end: 21.3677 delta: 5.3659  
 P2 start: 32.3652 end: 42.872 delta: 10.5068  
 P3 start: 49.558 end: 64.9429 delta: 15.3848  
 P4 start: 68.4574 end: 88.8881 delta: 20.4307

H3: -1.00076e-06  
 H5: 1.66793e-08  
 H7: -1.19138e-06  
 H9: -1.04709e-06  
 H11: -8.94619e-07  
 H13: -7.95476e-07

H15: -3.55826e-07  
**H17: -0.378705**  
**H19: -0.0414462**  
 H21: 0.252655  
 H23: 0.138241  
 H25: 0.0229093  
 H27: 0.0137085  
 H29: -0.0257479  
 H31: 0.06387

H15f: -2.37217e-08  
**H17f: -0.0222767**  
**H19f: -0.00218138**  
 H21f: 0.0120312  
 H23f: 0.00601049  
 H25f: 0.000916373  
 H27f: 0.000507723  
 H29f: -0.000887859  
 H31f: 0.00206032

c1sd = -0.1138  
 c1ed = -4.8619  
 c2sd = -0.6652  
 c2ed = -3.4176  
 c3sd = -0.7649  
 c3ed = -3.2342  
 c4sd = -0.1529  
 c4ed = -0.1015  
 varx = 1.24902%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.92  
 Actual Amplitude: 0.92  
 Actual Power: 0.8464  
 Distortion 2H-16H: 9.07085e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.9384 end: 21.3332 delta: 5.3949  
 P2 start: 32.2341 end: 42.7963 delta: 10.5622  
 P3 start: 49.3493 end: 64.8263 delta: 15.4769  
 P4 start: 68.1668 end: 88.9916 delta: 20.8248

H3: 2.74967e-08  
 H5: -4.12451e-07  
 H7: -5.42079e-07  
 H9: -2.65802e-07  
 H11: -4.1995e-07  
 H13: -7.61448e-08

H15: -3.24461e-07  
**H17: -0.364377**  
**H19: -0.0588931**  
 H21: 0.247375  
 H23: 0.144382  
 H25: 0.0243439  
 H27: 0.0151465  
 H29: -0.0268898  
 H31: 0.0632331

H15f: -2.16308e-08  
**H17f: -0.0214339**  
**H19f: -0.00309964**  
 H21f: 0.0117798  
 H23f: 0.0062775  
 H25f: 0.000973754  
 H27f: 0.000560982  
 H29f: -0.000927234  
 H31f: 0.00203978

c1sd = -0.1728  
 c1ed = -4.9046  
 c2sd = -0.7881  
 c2ed = -3.5015  
 c3sd = -0.9625  
 c3ed = -3.3619  
 c4sd = -0.4309  
 c4ed = -0.0107  
 varx = 1.25953%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.93  
 Actual Amplitude: 0.93  
 Actual Power: 0.8649  
 Distortion 2H-16H: 0.000111067%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.8731 end: 21.2945 delta: 5.4214  
 P2 start: 32.0985 end: 42.7098 delta: 10.6113  
 P3 start: 49.1309 end: 64.6845 delta: 15.5536  
 P4 start: 67.8525 end: 89.0956 delta: 21.2431

H3: -4.35217e-07  
 H5: -1.79527e-07  
 H7: -4.19674e-07  
 H9: -4.2615e-07  
 H11: -5.19293e-07  
 H13: -5.64945e-07

H15: -2.5569e-07  
**H17: -0.349569**  
**H19: -0.0764376**  
 H21: 0.241142  
 H23: 0.150904  
 H25: 0.0258846  
 H27: 0.0166528  
 H29: -0.0278231  
 H31: 0.0618704

H15f: -1.7046e-08  
**H17f: -0.0205629**  
**H19f: -0.00402303**  
 H21f: 0.0114829  
 H23f: 0.00656106  
 H25f: 0.00103538  
 H27f: 0.000616772  
 H29f: -0.000959418  
 H31f: 0.00199582

c1sd = -0.1562  
 c1ed = -5.0993  
 c2sd = -0.7678  
 c2ed = -3.744  
 c3sd = -0.971  
 c3ed = -3.7135  
 c4sd = -0.5056  
 c4ed = -0.1463  
 varx = 1.27492%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.94  
 Actual Amplitude: 0.94  
 Actual Power: 0.8836  
 Distortion 2H-16H: 5.13518e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.8054 end: 21.2505 delta: 5.4451  
 P2 start: 31.9573 end: 42.6106 delta: 10.6533  
 P3 start: 48.901 end: 64.5126 delta: 15.6116  
 P4 start: 67.51 end: 89.2003 delta: 21.6904

H3: -2.69117e-08  
 H5: -1.6147e-07  
 H7: -2.30672e-07  
 H9: -2.24264e-07  
 H11: -1.6147e-07  
 H13: -9.93663e-08

H15: -3.12176e-07  
 H17: -0.334199  
 H19: -0.0940992  
 H21: 0.233774  
 H23: 0.157872  
 H25: 0.027577  
 H27: 0.0181881  
 H29: -0.0284283  
 H31: 0.0596193

H15f: -2.08117e-08  
 H17f: -0.0196588  
 H19f: -0.00495259  
 H21f: 0.0111321  
 H23f: 0.00686399  
 H25f: 0.00110308  
 H27f: 0.000673634  
 H29f: -0.000980287  
 H31f: 0.0019232

c1sd = -0.1797  
 c1ed = -5.2272  
 c2sd = -0.825  
 c2ed = -3.9271  
 c3sd = -1.0878  
 c3ed = -3.9985  
 c4sd = -0.7191  
 c4ed = -0.1706  
 varx = 1.29504%.

# STEP-LOCKED MAGIC SINEWAVE

## AEXC16 - 95/100

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.95
Actual Amplitude:	0.95
Actual Power:	0.9025
Distortion 2H-16H:	3.28543e-05%
First strong harmonics:	17 and 19
Pulses per sine cycle:	16
Total switching events:	32
Delta Friendly:	No

P1 start: 15.7349	end: 21.2004	delta: 5.4655
P2 start: 31.8095	end: 42.4964	delta: 10.6868
P3 start: 48.6574	end: 64.3038	delta: 15.6463
P4 start: 67.1328	end: 89.3057	delta: 22.1729

H3: 2.66284e-08  
H5: 0.0  
H7: -1.94007e-07  
H9: 8.87614e-09  
H11: -1.59771e-07  
H13: -1.4748e-07

H15: -1.49119e-07  
H17: -0.318147  
H19: -0.111902  
H21: 0.22504  
H23: 0.165369  
H25: 0.0294884  
H27: 0.0196814  
H29: -0.0285522  
H31: 0.0562801

H15f: -9.94128e-09  
H17f: -0.0187145  
H19f: -0.00588957  
H21f: 0.0107162  
H23f: 0.00718995  
H25f: 0.00117954  
H27f: 0.000728941  
H29f: -0.000984558  
H31f: 0.00181549

c1sd = -0.1019  
c1ed = -5.5594  
c2sd = -0.6906  
c2ed = -4.3235  
c3sd = -0.9515  
c3ed = -4.5873  
c4sd = -0.6625  
c4ed = -0.499  
varx = 1.31975%.

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**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.96  
 Actual Amplitude: 0.96  
 Actual Power: 0.9216  
 Distortion 2H-16H: 6.5187e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.6609 end: 21.1428 delta: 5.4819  
 P2 start: 31.6535 end: 42.3636 delta: 10.7102  
 P3 start: 48.397 end: 64.049 delta: 15.6521  
 P4 start: 66.7131 end: 89.4119 delta: 22.6988

H3: 0.0  
 H5: -2.5297e-07  
 H7: -2.03279e-07  
 H9: -3.68915e-07  
 H11: -3.44959e-07  
 H13: -2.06754e-07

H15: -1.47566e-07  
**H17: -0.301257**  
**H19: -0.129866**  
 H21: 0.214612  
 H23: 0.173495  
 H25: 0.0317403  
 H27: 0.0210149  
 H29: -0.0279807  
 H31: 0.0516236

H15f: -9.83772e-09  
**H17f: -0.017721**  
**H19f: -0.00683504**  
 H21f: 0.0102196  
 H23f: 0.00754325  
 H25f: 0.00126961  
 H27f: 0.000778329  
 H29f: -0.000964851  
 H31f: 0.00166528

c1sd = -0.1175  
 c1ed = -5.7282  
 c2sd = -0.7355  
 c2ed = -4.5674  
 c3sd = -1.0623  
 c3ed = -4.9917  
 c4sd = -0.9114  
 c4ed = -0.5636  
 varx = 1.34887%.



**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.97  
 Actual Amplitude: 0.97  
 Actual Power: 0.9409  
 Distortion 2H-16H: 7.38754e-05%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.5823 end: 21.0757 delta: 5.4934  
 P2 start: 31.4869 end: 42.2078 delta: 10.7209  
 P3 start: 48.1152 end: 63.7364 delta: 15.6212  
 P4 start: 66.2397 end: 89.519 delta: 23.2794

H3: -7.82381e-08  
 H5: 1.56476e-08  
 H7: -4.13544e-07  
 H9: -4.86815e-07  
 H11: -1.84926e-07  
 H13: -1.92586e-07

H15: -2.45146e-07  
**H17: -0.28331**  
**H19: -0.14801**  
 H21: 0.20202  
 H23: 0.182362  
 H25: 0.0345458  
 H27: 0.0219983  
 H29: -0.026423  
 H31: 0.0454063

H15f: -1.63431e-08  
**H17f: -0.0166653**  
**H19f: -0.00778999**  
 H21f: 0.00962  
 H23f: 0.00792878  
 H25f: 0.00138183  
 H27f: 0.000814753  
 H29f: -0.000911138  
 H31f: 0.00146472

c1sd = -0.1887  
 c1ed = -5.8093  
 c2sd = -0.8881  
 c2ed = -4.7373  
 c3sd = -1.3252  
 c3ed = -5.3232  
 c4sd = -1.3633  
 c4ed = -0.478  
 varx = 1.38218%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.98  
 Actual Amplitude: 0.98  
 Actual Power: 0.9604  
 Distortion 2H-16H: 0.000170662%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.4976 end: 20.9961 delta: 5.4985  
 P2 start: 31.3062 end: 42.0217 delta: 10.7155  
 P3 start: 47.8056 end: 63.3491 delta: 15.5435  
 P4 start: 65.6975 end: 89.6272 delta: 23.9297

H3: -2.83946e-07  
 H5: 6.19518e-08  
 H7: 1.77005e-07  
 H9: -8.60442e-07  
 H11: 1.056e-06  
 H13: -9.29277e-07

H15: 2.78783e-07  
**H17: -0.263992**  
**H19: -0.166331**  
 H21: 0.186562  
 H23: 0.192083  
 H25: 0.0382873  
 H27: 0.0223247  
 H29: -0.0235029  
 H31: 0.0374065

H15f: 1.85855e-08  
**H17f: -0.015529**  
**H19f: -0.00875427**  
 H21f: 0.00888389  
 H23f: 0.00835143  
 H25f: 0.00153149  
 H27f: 0.000826839  
 H29f: -0.000810446  
 H31f: 0.00120666

c1sd = -0.2423  
 c1ed = -5.9482  
 c2sd = -1.0095  
 c2ed = -4.9826  
 c3sd = -1.555  
 c3ed = -5.7904  
 c4sd = -1.8144  
 c4ed = -0.4609  
 varx = 1.41938%.

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude: 0.99  
 Actual Amplitude: 0.99  
 Actual Power: 0.9801  
 Distortion 2H-16H: 0.00180758%  
 First strong harmonics: 17 and 19  
 Pulses per sine cycle: 16  
 Total switching events: 32  
 Delta Friendly: No

P1 start: 15.4041 end: 20.8992 delta: 5.495  
 P2 start: 31.106 end: 41.7946 delta: 10.6887  
 P3 start: 47.4579 end: 62.8625 delta: 15.4046  
 P4 start: 65.0646 end: 89.7365 delta: 24.6719

H3: 2.81078e-06  
 H5: -1.53315e-06  
 H7: 7.51244e-06  
 H9: -7.62317e-06  
 H11: 1.10248e-05  
 H13: -6.43334e-06

H15: 6.24504e-06  
**H17: -0.242826**  
**H19: -0.184784**  
 H21: 0.167136  
 H23: 0.202725  
 H25: 0.0436617  
 H27: 0.0215225  
 H29: -0.0187599  
 H31: 0.0275239

H15f: 4.16336e-07  
**H17f: -0.0142839**  
**H19f: -0.00972545**  
 H21f: 0.00795884  
 H23f: 0.00881411  
 H25f: 0.00174647  
 H27f: 0.000797131  
 H29f: -0.000646892  
 H31f: 0.000887867

c1sd = -0.3335  
 c1ed = -6.0494  
 c2sd = -1.2055  
 c2ed = -5.214  
 c3sd = -1.8969  
 c3ed = -6.2827  
 c4sd = -2.4407  
 c4ed = -0.3582  
 varx = 1.45995%.

# STEP-LOCKED MAGIC SINEWAVE

## AEXC16 - 100/100

**SUMMARY:** This steplock-16 suppressed carrier "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 16 are virtually zero. The first major harmonics are the 17th and 19th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	1.0
Actual Amplitude:	1.0
Actual Power:	1.0
Distortion 2H-16H:	0.000194759%
First strong harmonics:	17 and 19
Pulses per sine cycle:	16
Total switching events:	32
Delta Friendly:	No

P1 start: 15.2986	end: 20.7779	delta: 5.4794
P2 start: 30.8777	end: 41.5098	delta: 10.6321
P3 start: 47.0564	end: 62.2445	delta: 15.1881
P4 start: 64.3131	end: 89.8478	delta: 25.5347

H3: -7.5891e-08  
H5: 4.70524e-07  
H7: -9.75741e-07  
H9: 7.42045e-07  
H11: -1.18666e-06  
H13: 7.12208e-07

H15: -3.84514e-07  
H17: -0.219126  
H19: -0.203091  
H21: 0.142085  
H23: 0.214043  
H25: 0.0520168  
H27: 0.0188651  
H29: -0.0117896  
H31: 0.0160638

H15f: -2.56343e-08  
H17f: -0.0128897  
H19f: -0.010689  
H21f: 0.00676594  
H23f: 0.00930623  
H25f: 0.00208067  
H27f: 0.000698708  
H29f: -0.000406538  
H31f: 0.000518188

c1sd = -0.3847  
c1ed = -6.2741  
c2sd = -1.3302  
c2ed = -5.6023  
c3sd = -2.1591  
c3ed = -7.0401  
c4sd = -3.0332  
c4ed = -0.406  
varx = 1.5024%.

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